Manitoba

Annual Report 1987 - 88

Highways and Transportation

Manitoba

Minister of
Highways and Transportation

Room 203,
Legislative Building
Winnipeg, Manitoba, CANADA
R3C 0V8

To His Honour,
Dr. George Johnson,
Lieutenant-Governor of Manitoba,

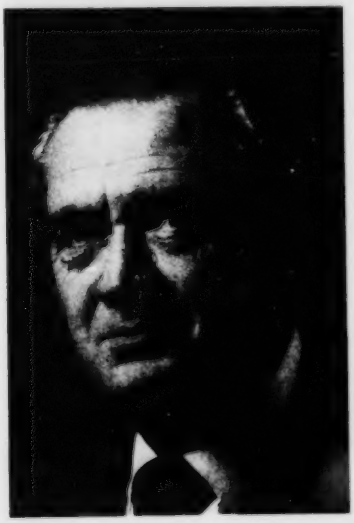
May It Please Your Honour:

I have the privilege of presenting for the information of Your Honour the Annual Report of the Department of Highways and Transportation for the fiscal year ending March 31, 1988.

Respectfully submitted,

Albert Driedger

Honourable Albert Driedger
Minister of Highways and
Transportation



ALIVE
A Safety Initiative of
the Manitoba Government

Manitoba

Deputy Minister of Highways and Transportation

Room 209
Legislative Building
Winnipeg, Manitoba, CANADA
R3C 0V8

(204) 945-3768

The Honourable Albert Driedger
Minister
Highways and Transportation

Sir:

I have the honour of presenting herewith the Annual Report of the Department of Highways and Transportation for the fiscal year 1987-88.

The Department participated in a number of important events during the year:

Progress was made toward developing a National Safety Code, designed to establish national driver and vehicle performance standards for all commercial vehicles in Canada by 1991. It is hoped the code will noticeably improve safety on Manitobas highways.

Approval was granted to a consultant's feasibility report outlining an automated construction management system by 1989-90. The system is expected to benefit the Department in the areas of planning, organizing and controlling construction projects by making better use of available funding, improved coordination and use of technology and better communications.

Manitoba began to help fund its share of the five-year Canadian Strategic Highway Research Program this year. The objective of the program is to achieve significant gains in selected areas of highway technology through focussed research aimed at producing practical results.

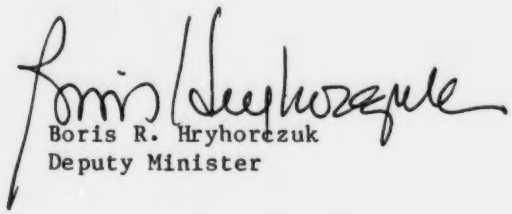
In another example of federal-provincial cooperation, a three-year federal-provincial cost-sharing agreement was reached under which the Yellowhead Highway will be upgraded throughout western Canada.

.....

A three-year agreement with Norwin Construction Ltd., representing the South East Tribal Council, was entered into for the construction and maintenance of the 814 km winter truck road system east of Lake Winnipeg. This agreement will assure delivery of goods and services, ensure the stability of the company and provide employment over the term of the agreement for the nine Indian Bands involved.

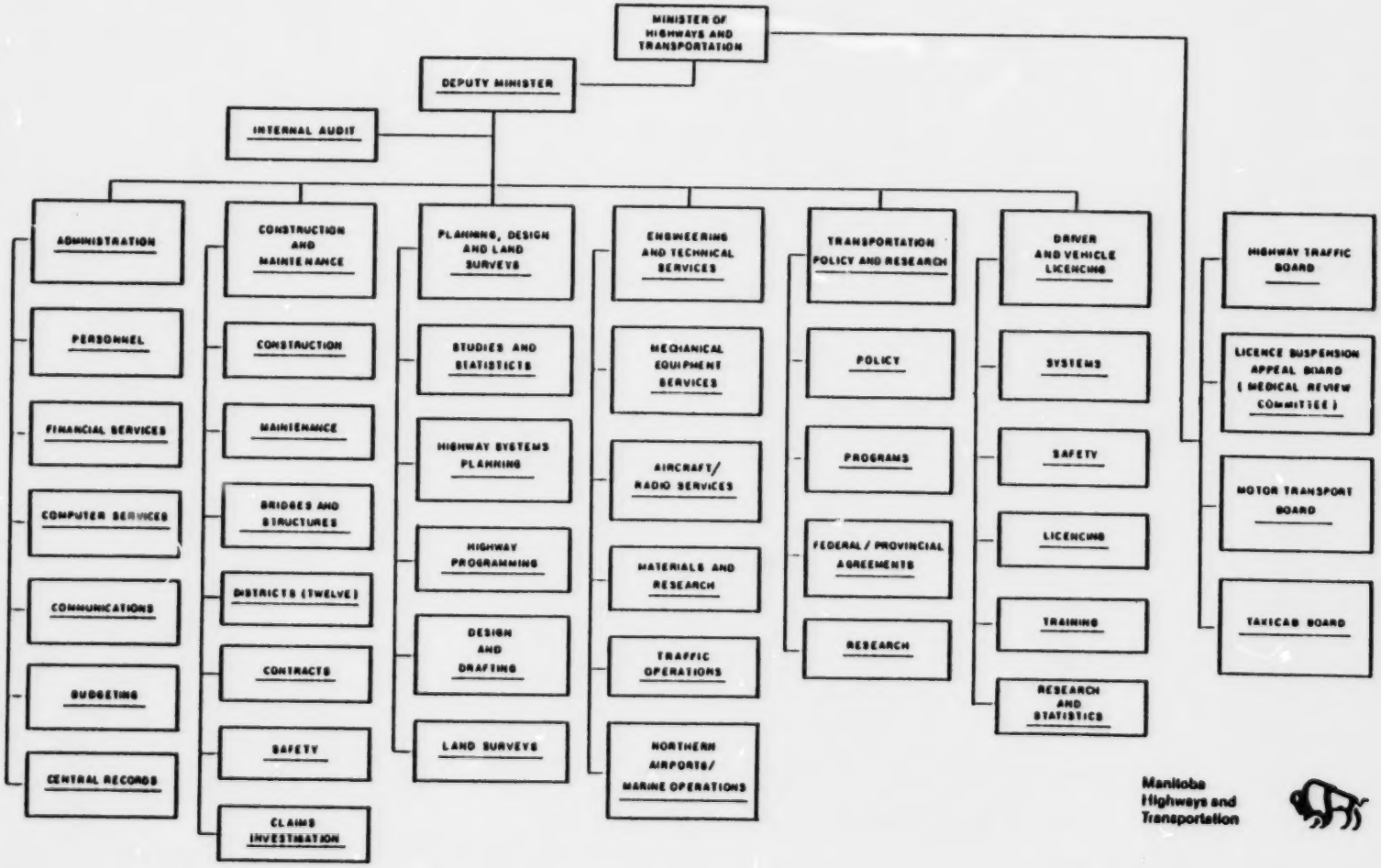
This Annual Report fulfills the reporting requirements specified in the Highways and Transportation Department Act.

Respectfully presented,

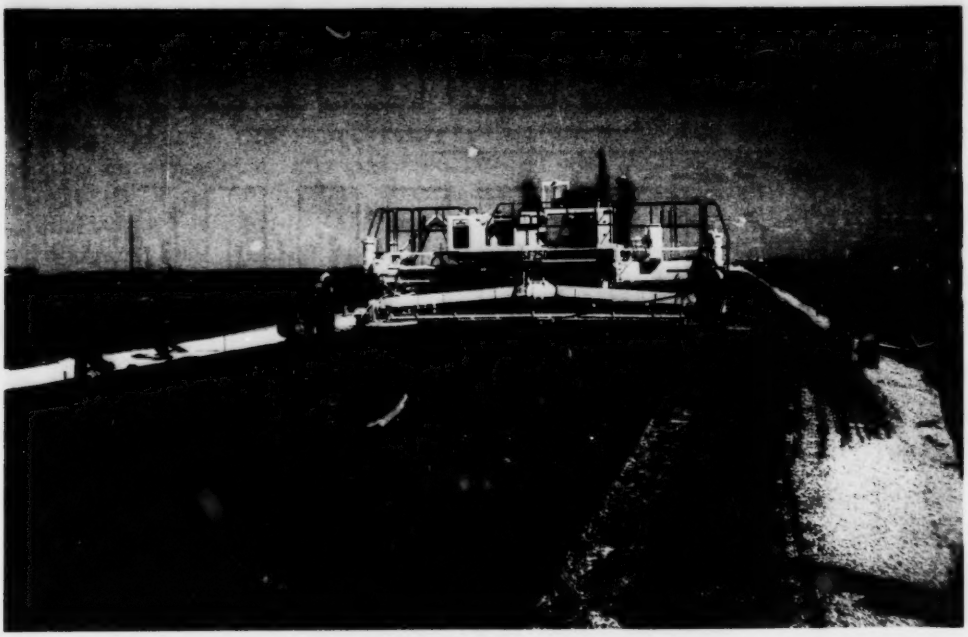


Boris R. Hryhorczuk
Deputy Minister

Organization Chart



Manitoba
Highways and
Transportation



Work continued on four-laning P.T.H. No. 75 to the U.S. border.

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A B B R E V I A T I O N S

A.C.	-	asphalt cement
A.S.T.	-	asphalt surface treatment
Bdry.	-	boundary
C.N.R.	-	Canadian National Railway
C.P.R.	-	Canadian Pacific Railway
C.F.	-	cable ferry
CMP	-	corrugated metal pipe
CT	-	commercial truck
CR.	-	credit
CWT	-	hundredweight
Dist.	-	district
E.	-	east
E.D.	-	Electorial Division
HPS	-	high pressure sodium
H.F. (SSB)	-	high frequency (single side band)
Jct.	-	junction
L.G.D.	-	Local Government District
MV	-	mercury vapour
M.V.	-	motor vessel
N.	-	north
N.E. 1/4	-	northeast quarter section
No.	-	number
Prov.	-	province or provincial
P.R.	-	Provincial Road
P.T.H.	-	Provincial Trunk Highway
P.S.V.	-	public service vehicle
Rec.	-	recreational
R.L.	-	river lot
R.T.A.C.	-	Roads and Transportation Association of Canada
R.C.M.P.	-	Royal Canadian Mounted Police
R.M.	-	Rural Municipality
Sec. 34-24-12W.	-	Section, Township, Range, West
S.	-	south
S.P.C.M.P.	-	structural plate corrugated metal pipe
T.C.H.	-	Trans-Canada Highway
T.T.	-	treated timber
U.V.D.	-	Unincorporated Village District
U.S.A.	-	United States of America
V.H.F. (F.M.)	-	very high frequency (frequency modulation)
V.H.F. (A.M.)	-	very high frequency (amplitude modulation)
W.	-	west

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Administration

PERSONNEL

The Personnel Services Section provides personnel, administrative and payroll services and systems to management and employees of the Department. These services are provided through the development of policies and procedures and the provision of support services in recruitment, salary administration, pay and benefits administration and classification. Support services are also offered in organizational analysis, contract administration, collective bargaining, employee relations, employee health and training and development.

Projects initiated the previous year and concluded. These included:

- an organizational review in the Materials and Research Section and the Bridges and Structures Section
- a Payroll System review to convert positively paid staff to the negative pay system
- extensive support to the Collective Bargaining process between the Government, Manitoba Government Employees Association and the Organization of Professional Engineers
- completion of a Recruitment and Selection Policy for Departmental positions
- implementation of a Departmental Personnel Policies and Procedures Manual
- development of a new classification system for Professional Engineers and Financial Officers.

For the period ending December 31, 1987, there were:

Number of competitions	175
Number of grievances	41
Number of management originated reclassifications	72
Number of employee originated reclassifications	44

A total of 82 persons were hired under the Affirmative Action Policy, of these, 44 were female, 14 native and 4 visible minorities. A total of 123 summer students were hired including 26 female and 20 native. In the contracts area, a total of 47 native persons were hired on seven different contracts for a total of 135 person weeks of work. Under Outreach, 23 career awareness presentations outlining employment opportunities with the Department were completed. Four work experience projects were also finished.

FINANCIAL SERVICES

The Financial Services Section provides central accounting, financial information and related administrative services to departmental programs and management. The Section ensures that internal accounting systems are in place to monitor financial matters, including:

revenues and expenditures;
cash receipts and disbursements;
accounts receivable.

This section also prepares annual estimates and the Department's Quarterly Forecast of Expenditures and Revenues and monthly expenditure reports for managers.

During the year, Financial Services processed 65,015 vouchers to pay suppliers for goods and services received. Approximately 19,000 invoices were produced for services provided to other government departments, agencies and third parties with a total expenditure and recoveries of approximately $3.3 million.

Revenue for 1987/88 totalled $49,469.50 compared to the 1986/87 total of $45,167.30, for an increase of $4,302.20. This was mainly due to fee increases for vehicle registrations, driver licences, road and written tests, plus revenue received from Canada for the Yellowhead Highway Improvement Program which came into effect in 1987/88.

INTERNAL AUDIT

Internal Audit was established for the Department of Highways and Transportation in April 1984 to provide the Deputy Minister and departmental management with an independant review and appraisal of all departmental operations in order to advise management on its internal policies, practices and controls.

Internal Audit reports to an Audit Committee comprised of the Deputy Minister and senior departmental executive. This committee approves annual and long-term audit plans and reviews all audit reports.

During 1987/88 the Section completed audits and issued reports on the Contracts Section and the Highway Construction Program. Financial audits for two year-ends were performed on the Norway House Airport Shared-Cost Agreement in which Auditor's Reports were submitted to the applicable parties. Internal Audit also completed 9 compliance and 10 verification audits of trucking companies as part of the ongoing review of the Canadian Agreement on Vehicle Registration.

Recommendations were made to improve management control over costs. These included the strengthening of reporting requirements on certain activities and costs, evaluating existing processes relating to engineering cost estimates and tender deposits, proposing workload reviews to assess staffing requirements, identifying potential areas for computerization, and identifying opportunities for either cost reduction or cost recoveries.

Internal Audit also conducted post-audit reviews of the Dauphin Sign Shop, Bridge, Driver Licencing and Materials and Research. At year-end, audits on Computer Services and Planning, Design and Land Surveys were in progress.

COMPUTER SERVICES

Computer Services provides effective automated information exchange and processing systems and assists the Driver and Vehicle Licencing Division through the Systems and Data Processing Section.

Emphasis is placed on tasks having a high economic and social return on investment. The department often takes advantage of systems that have already been developed by other transportation or related jurisdictions in order to save development costs and time.

More than 1,000 computer programs were maintained in more than 30 applications.

System Accomplishments

The feasibility study for a comprehensive Construction Management System was completed, and Treasury Board approval given for development and implementation throughout the 1988/89 fiscal year. This system will lend significant automated support to management for the Construction Program.

Use of the Department's Computer Assisted Drafting and Design computer was extended with the commencement of Roadway Design System migration from MDS to our in-house facility and the installation of the first version of the Interactive Graphics Roadway Design System in test mode. This technology will continue to provide computerized support in the design of roadways and bridges in the future.

An Aircraft Management System was selected and acquired, and hardware installed. The system, in support of the Air/Radio Branch of the Department, will be implemented in the upcoming year.

Progress on the Equipment Management System was retarded this year by turnover of several key staff, and by an in-depth re-examination of the fiscal alternatives for this system. A Request for Proposals to develop or supply an appropriate system will be issued in the 1988/89 fiscal year, with development expected to progress significantly throughout the year.

The Department's Electronic Mail Pilot, using the DISOSS technology, indicate that Electronic Mail is a highly desirable tool, but that DISOSS is not the appropriate vehicle for delivery. During the next fiscal year, alternative products will be tested, with a view to selecting one for use.

A review of Departmental Remote Job Entry and Data Entry Hardware and Software is expected to conclude that this hardware should be replaced. This is expected to occur during 88/89.

Other activities included:
- conversion work on our Materials Laboratory Sample Analysis System necessitated by environment changes at Manitoba Data Services
- completion of metrication of the Department's Highways Needs Study System
- development of a Provincial Roads Inventory System
- researching availability of an appropriate Flight Planning System
- conversion of most remaining sub-stores to our Accounting Procurement and Inventory Management System
- commencement of work on a Sign Inventory and Management System
- a review and upgrading of the Department's Information Processing Hardware and Software Strategy
- assessment of microcomputer security alternatives
- creation of a Guide to Computer Services
- definition of a Fixed Computer Assets System
- support of approximately 230 Highway Design projects and 25 significant system maintenance and enhancement requests
- 6 word processing studies
- implementation of 8 new word processing workstations, bringing the total to 41
- commencement of replacement of obsolete word processing technology.

System Production and Operations

13,540 batch jobs were processed. The total number of records keypunched and keyverified was approximately 293,700.

1,870,591 on-line inquiry and update transactions were submitted against data bases of the Vehicle and Driver System and the Accounting, Procurement and Inventory Management System.

CENTRAL RECORDS

Central Records provides administrative support services through records management, requisitioning, central stores, postal services, and preparing for the proclamation of Freedom of Information Act.

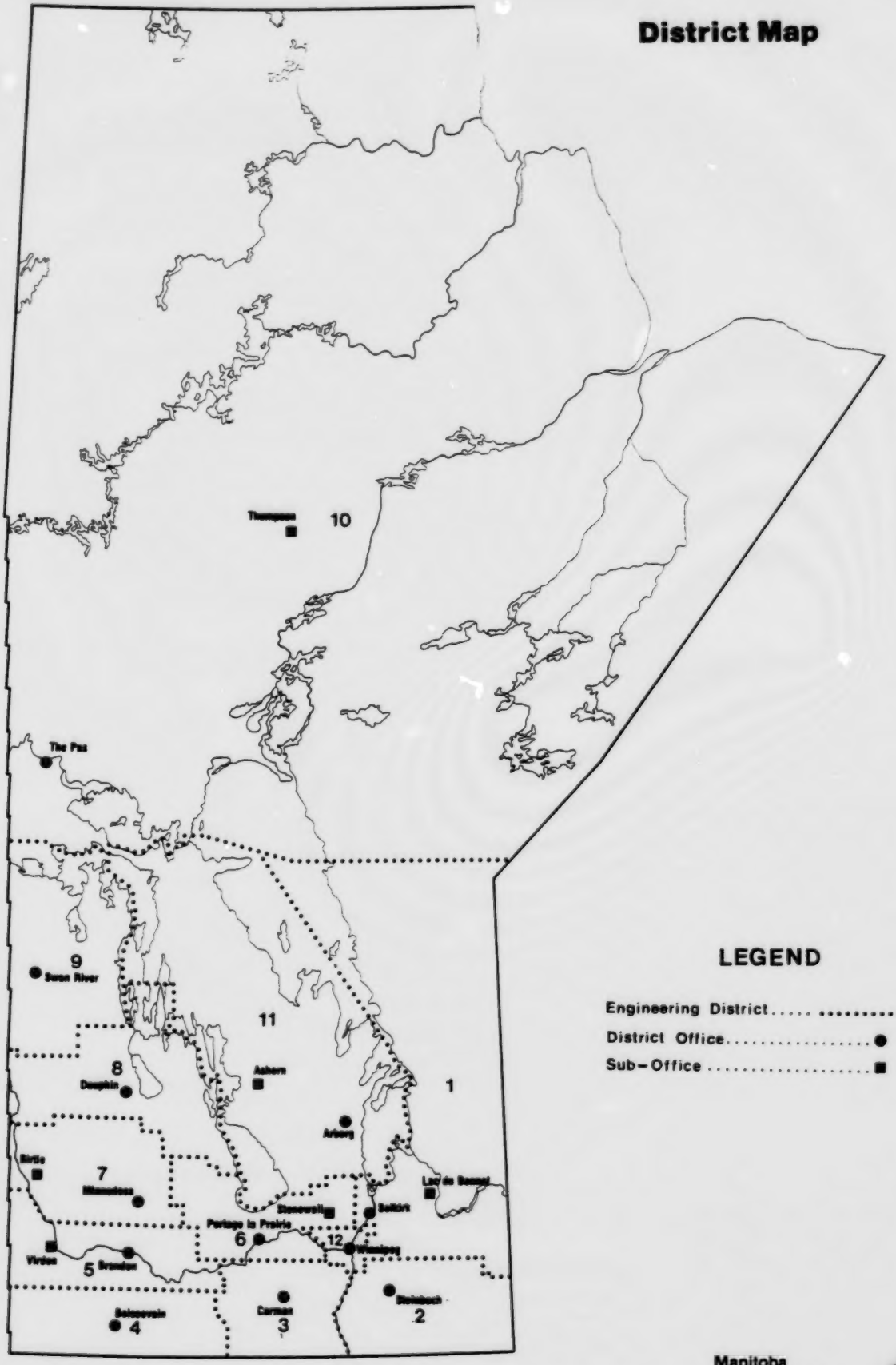
Major accomplishments of Central Records during 1987/88 include:
- preparation of the Department portion of the Access Guide under the Freedom of Information Act
- assist program managers in the establishment of new filing systems
- microfilming of Computer Services' System Manuals for improved security
- microfilming of all field books for Land Surveys for improved security and establishment of a microfiche jacket system.

COMMUNICATIONS

The Communications Section is responsible for informing the public about the department's programs and policies. This is primarily achieved through news releases, advertising campaigns and direct response to public and media enquiries. In addition, it provides speaking notes, background material and memorandums to assist the Minister in communicating the department's actions to the public. It also develops communications strategies in consultation with, and approval of, appropriate departmental personnel.

The major accomplishments of the Communications Section during 1987/88 include:
- printing and re-design of Manitoba Highway Map
- preparing news releases and speeches
- developing advertising strategies
- organizing news conferences
- providing information to the public and the media upon request
- developing background information.

District Map



LEGEND

Engineering District ....

District Office ..... ●

Sub-Office ..... ■

Manitoba
Highways and
Transportation

Construction and Maintenance

The Construction and Maintenance Division provides program management and functional support services in engineering, bridge design and tendering to the Department's Construction and Maintenance programs.

CONSTRUCTION

The construction program includes a variety of activities such as grading, gravelling, bituminous and concrete paving and acquisition of rights-of-way. Costs totalled $87,450,796.

Major projects included:

P.T.H. No. 8, Hecla Provincial Park, Grade and Gravel	$1,453,000
P.T.H. No. 44, P.T.H. No. 59 - Garson, Base and Bituminous Pavement (eastbound lanes)	$1,543,000
P.T.H. No. 41, South of P.R. No. 545 to West of Assiniboine River, Grade and Gravel	$1,080,000
P.T.H. No. 50, P.T.H. No. 16 - Langruth, Base and Bituminous Pavement	$2,400,000
P.T.H. No. 10, Bell River - P.R. No. 227, Base and Bituminous Pavement	$1,746,000
P.T.H. No. 101, West of P.T.H. No. 9 - West of P.T.H. No. 8, Curbing and Bituminous Pavement	$1,771,000
P.T.H. No. 83, U.S. Border - South Junction P.T.H. No. 3, Bituminous Pavement and Shoulder Gravel	$1,269,000
P.T.H. No. 75, South of P.R. No. 210 - South of P.R. No. 305, Base and Concrete Pavement	$1,956,000

Several projects were undertaken on the Yellowhead Route (P.T.H. No. 16). These included drainage improvements and widening, complete roadway reconstruction and bituminous surfacing. Costs totalling about $3,894,000.

The Selkirk Bridge over the Red River north of Selkirk, linking P.T.H. No. 59 to P.T.H. No. 9, was completed and opened to traffic in late November. With a minimum clearance of 18 meters above design summer water level, it allows commercial fishing vessels and recreational boats to navigate freely on the Red River. The 850 meter-long structure consists of 16 spans of precast prestressed concrete I girders, four continuous spans of steel girders and a reinforced concrete deck with a 10 meter clear roadway width.

Stabilization of the riverbank along the Red River adjacent to P.R. No. 238 (River Road) north of Winnipeg was largely completed at a cost of about $1 million. The bank was stabilized by constructing a series of regularly spaced rock-filled trenches perpendicular to the river along with rock rip rap erosion protection along the toe of the bank.

The Department approved Phase I of a four-phase project aimed at establishing an automated Construction Management System (CMS). As a result, the Department will be proceeding with the next three project phases as follows:

Phase II - Specifications
Phase III - Development
Phase IV - Implementation

It is estimated that the system will be in place by the end of the 1989/90 fiscal year.

CONTRACTS

The Contracts Section administers construction work by private contracting agencies. This Section is also responsible for evaluating tenders. There were 116 major tenders for roadwork, totalling $46,000,000, and 42 tenders for bridge work, totalling $3,000,000 awarded this year. Of the 116 projects, about $21,000,000 was spent on grading, $7,000,000 on granular base course, $11,000,000 on bituminous pavement and $7,000,000 on miscellaneous work. There were 137 construction orders for roadwork totalling $4,100,000 and 61 miscellaneous orders valued at $719,000.

Work was authorized to start on 804 projects valued at over $129,000,000.

Contractors were paid $57,400,000.00. This includes payments for work done on Carryover projects from previous years.

The Section establishes appropriate rental rate schedules and annually administers several hundred rental rate agreements for the hire of private equipment. Other responsibilities include assisting in the preparation of the annual report, processing of applications for permission to place buried utilities under provincial highways, tabulating statistical data for several agencies, and holding regular committee meetings to update Highway Construction Specifications.

MAINTENANCE

Maintenance accounted for 24.6% of the total Department budget. Expenditures totalled $49,427,893, split 72:28 between summer and winter activities.

The maintenance program is carried out by 92 beat crews and 81 drag beats situated uniformly throughout the province. There are also specialized crews involved on seal coating, mixing asphaltic materials, repairing concrete, and routing and filling cracks in bituminous pavements.

The routing and crackfilling program was expanded with almost 300,000 linear metres of cracks routed and filled on 460 lane kilometres of payment. This minimizes the effects of pavement depression at the cracks and also crack edge deterioration.

Breakdown of work:

a) Summer

Premix Patching	56 553	cubic metres
Spray Patching	1 530 026	litres
Seal Coat Program	1 120	lane kilometres
Route & Crackfill	295 933	linear metres
Concrete Repair	21 587	manhours
Dragging Gravel Roads	460 271	pass kilometres
Gravelling Roads	392 715	cubic metres
Dust Control	2 164	tonnes calcium chloride
	1 566 378	litres lignosulfonate
Drag Gravel Shoulders	44 702	shoulder kilometres
Mowing	33 458	hectares
Sign Maintenance	40 302	manhours
Erecting New Signs	413 305	square decimetres
Spring Weight Restrictions	36 401	manhours

b) Winter

Snowplowing	558 131	pass kilometres
Snow Clean-up	38 160	manhours
Sanding	37 393	cubic metres
Spreading Chemical	103 978	pass kilometres
Winter Stand-by	49 373	manhours

Minimal snowfall resulted in a 14% decline in winter expenditures, largely as a result of reduced snowplowing activities.

Traffic tie-ups will become a thing of the past when P.T.H. No. 7 crosses over the Perimeter Highway, north of Winnipeg, at the interchange now under construction. Safety is also expected to be enhanced, at this intersection of two major four-lane highways.

PERMITS AND ROAD INFORMATION

PERMIT OFFICE

The central permit office in Winnipeg is operated 12 1/2 hours per weekday. It specializes in over dimensional, overweight permits to ensure the safe transportation of large pieces of equipment which cannot conform to the Highway Traffic Act. The office also issues various types of licencing permits as well. There are 15 regional offices which also issue over dimensional and overweight permits.

Revenue Statistics

	Number of Transaction		Revenue	
Date	Over Dimensional	Overweight	Over Dimensional	Overweight
Oct. 1/86 to Mar. 31/87	2073	1583	$ 58,000	$ 73,000
Apr. 1/87 to Mar. 31/88	8271	4796	$247,000	$247,000

ROAD INFORMATION

The Department operates a road information service in Winnipeg and 12 regional offices providing information on road conditions and summer construction activities. The Department provides winter road information electronically through a videotex road information program at specified district offices, on cable television and through Grassroots Information Services (who provide computerized information on grain and commodity prices).

Videotex, introduced in late 1984 as a pilot under the Manitoa Telidon Project, is based on the Canadian-developed telidon system which enables two-way communication of graphic and textual information through computers.

The Department is developing an electronic mail feed to provide information to Canadian Press which feeds it to media outlets throughout the province.

BRIDGES AND STRUCTURES

GENERAL

Bridges and Structures designs, constructs and maintains bridges, large culverts, overpass structures and sign structures.

To help departmental staff design many new construction projects, an intergraph computer-aided drafting system has been added to our equipment.

DESIGN

The Bridges and Structures Section designed a wide variety of structures in the 1987/88 fiscal year.

A sampling of the projects included:

- a five span, 128 meter long bridge over the Assiniboine River on proposed westbound lanes of T.C.H. No. 1W.,

- a two span, 61 meter long bridge over the Roseau River on realigned P.T.H. No. 59S.,

- a three span, 72 meter long bridge over West Baker's Narrows on P.T.H. No. 10,

- preliminary design for a 43 meter long bridge over Jack River at Norway House.

The Bridges and Structures Section participated in AASHTO's Bridge Design (BDS) Project which will provide a standardized inventory of computer design and analysis programs for all major components of bridges. Design Engineers completed a training course offered by Computer Services.

The Section contributed to a RTAC Study of new standardized truck configuration on bridges. It retained consulting engineering firms to load rate five major structures of immediate concern.

The Section also assisted in the design of the following projects:

- the Brandon Eastern Access (P.R. No. 700)/CPR underpass structure,

- the Conawapa Generating Station Access Road structures,

- the P.R. No. 240/T.C.H. No. 1W. Overpass,

- the P.T.H. No. 7/P.T.H. No. 101 Overpass,

- the Manfor haul route structures and the Construction Management System.

The Bridges and Structures design section prepared for and later participated in the Western Association of Canadian Highway Officials' Conference which was hosted by Manitoba.

CONSTRUCTION

As well as supervising work carried over from the previous fiscal year, 53 contracts and construction orders involving 32 separate projects, were let during the 1986/87 fiscal year.

Construction section staff inspected bridges at the request of District Engineers.

MAINTENANCE

The maintenance crews worked on 178 projects including bridge construction and modification, painting of various structures and concrete deck repairs, and accident repairs to various structures.

FERRIES

The Treesbank Ferry continued to be operated by the Rural Municipality of South Cypress under a grant system.

OCCUPATIONAL HEALTH AND SAFETY

The Occupational Health and Safety Section develops policies, procedures and programs to help assure the health and safety of all departmental staff. The section advises on Occupational Health and Safety Standards and applicable Provincial/Federal Acts, Regulations and Codes.

The following statistical reports highlight the section's activities.

Hearing Conservation Program

Baseline Tests Conducted - 123

Results

Normal Hearing	Early Warning of Hearing Loss	Hearing Loss
17 or 14%	86 or 70%	20 or 16%

Follow-up Tests Conducted - 1010

Results

No Shift from Baseline	Minimal Shift	Significant Shift
790 or 78%	80 or 8%	140 or 14%

Employees with significant shifts have been referred for further testing, treatment and counseling. A review of employees noise exposures and use of hearing protection has also been initiated.

Training Programs

Program	No. of Participants
Freedom From Smoking - Group Program	41
Health and Safety Committee Training	173 Supervisors 154 Worker Members
First Aid Training/Certification	381
Transportation of Dangerous Goods	300

Injury/Illness Record

1987/88 Types of Lost Time Injuries

17	Slips & Falls	317.5 Lost working days
19	Strain (lifting)	508 Lost working days
6	Strain (twisting/jarring)	563 Lost working days
13	Struck by/against	111 Lost working days
7	Caught between	147 Lost working days
2	Foreign object in eye	3 Lost working days
7	Burn	78 Lost working days
1	Inhalation	3 Lost working days

CLAIMS INVESTIGATION

During the 1987/88 fiscal year, this section received 554 claims. Of these, 122 investigations were closed as a result of payments made to the public, 84 investigations were closed as a result of payments received by the Department, 206 investigations were concluded due to lack of further action, information or denial of responsibility, and 142 investigations remained outstanding.

	Total	Payments Received	Payments to Public Paid	Claims Pending	Claims Concluded
Claims by the Department	62	24	0	30	8
Claims by the Public	63	0	17	21	25
Complaint about the Department's Operation	12	0	0	3	9
Damage to Vehicles Due to Highway Conditions	184	0	100	15	69
Damage to Government Property by Vehicles	138	50	0	55	33
Internal and Employee Lost or Damaged Property Investgations	21	1	1	10	9
Willful Damage to Government Property	71	9	4	8	50
Request by the Public for Departmental Assistance	3	0	0	0	3
The Disposition of Files Carried Forward	162	35	20	23	84

Massive quantities of rock must be laid to provide a base for highways traversing swampland as in this stretch of P.T.H. No. 10, stretching through Manitoba's rugged Northwest.

Planning, Design and Land Surveys

The Planning, Design and Land Surveys Division provides traffic flow data, roadway design, legal and other plans and land acquisition monitoring for the development of primary (P.T.H.) and secondary (P.R.) roads. The Division also controls land use and access along these provincial highways.

HIGHWAY SYSTEMS PLANNING

During the 1987/88 fiscal year highway planning staff were involved in the following major studies and reviews:

Winnipeg-Selkirk Corridor Highway Routing and Design Study

Following extensive meetings with area residents and representatives the Consultants recommended:

- a curbed median, flatter curves and other improvements on P.T.H. No. 9 from the City of Winnipeg boundary to the vicinity of Lower Fort Garry;
- the protection of right-of-way for a future relief highway running from P.T.H. No. 8 near St. Andrews Airport to P.T.H. No. 9, Selkirk By-pass;
- protection of right-of-way for a future crossing of the Red River just downstream (north of the Floodway) near Lockport.

Subsequently, the Consultants (I.D. Engineering Canada Inc. and Delcan Corp.) started finalizing the design of P.T.H. No. 9 and also began preparing large scale plans to determine locations of right-of-way. Steps were also taken to protect the future route and river crossing in Selkirk and District Planning Area Development Plan.

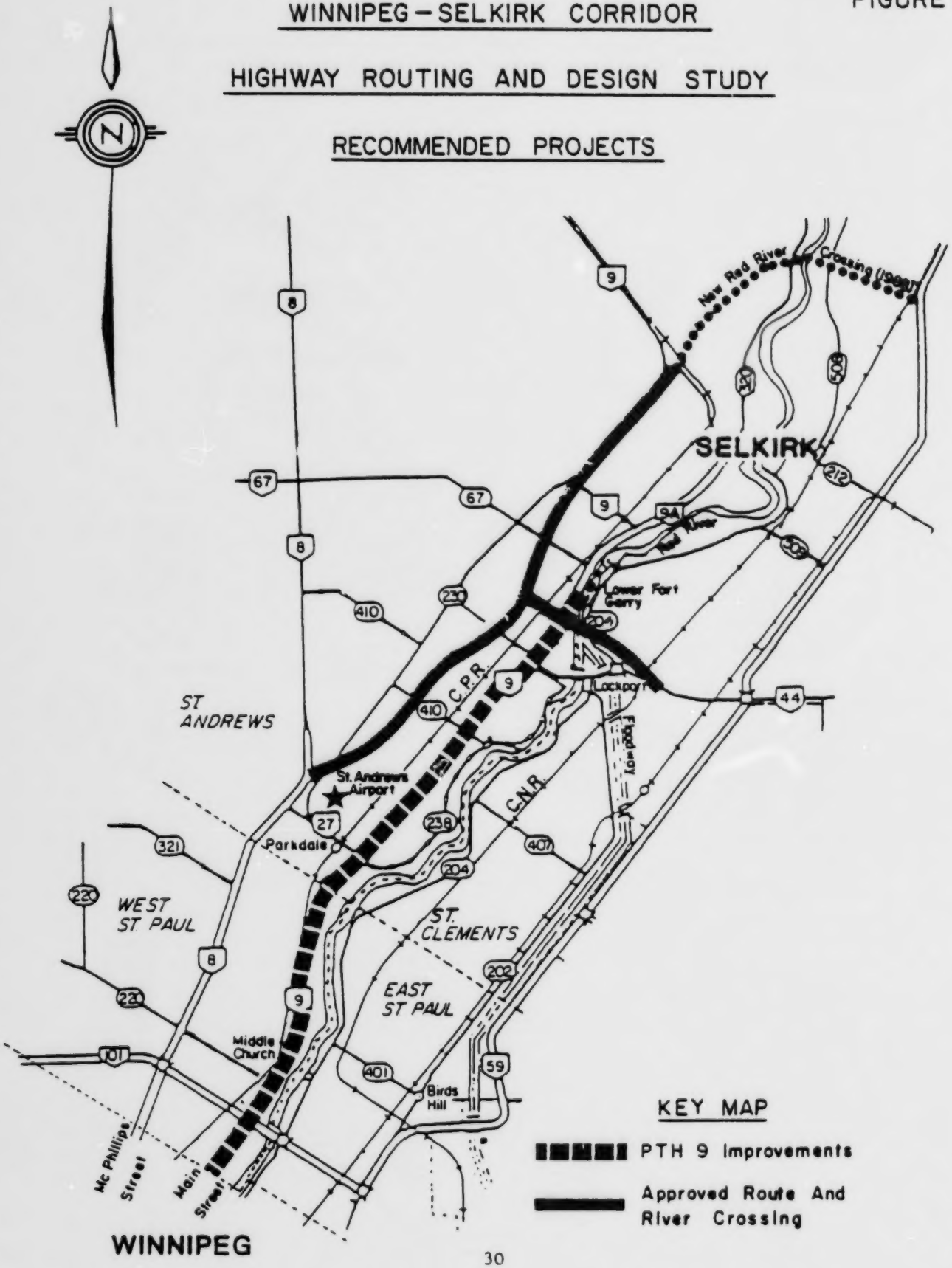
The study is expected to be completed by the end of 1988.

FIGURE 1

WINNIPEG – SELKIRK CORRIDOR

HIGHWAY ROUTING AND DESIGN STUDY

RECOMMENDED PROJECTS



Trans-Canada Highway (Brandon)

During the year, staff met with business operators located along the Trans-Canada Highway from east of First Street to west of Eighteenth Street West. Acting on concerns raised by local businesses about the upgrading plans for the existing highway, the Department agreed to modify drainage, service road and private access facilities and to expedite the installation of suitable overhead signing. Staff updated Councillors from the City and the Rural Municipality of Cornwallis on these issues and discussed other concerns relating to this stretch of the highway.

The location plan for the proposed upgrading was finalized in November 1987. It is planned to purchase the right-of-way in the 1988-89 fiscal year.

Control Line Study

Staff continued to review existing development control lines and intersection control circles. The preliminary findings will be reviewed with the District Engineers before making recommendations to the Department's executive management and the Highway Traffic Board.

Rail Branchline Abandonment Study

The management consulting firm of Touche Ross concluded that two previous studies on the financial impact of rail line abandonment on road construction and maintenance in Manitoba had not considered sufficient factors. Accordingly, it concluded that the financial implications remain unclear.

Development Review

The Department reviews land use and development proposals adjacent to the provincial highway system to maximize highway safety and efficiency. Staff reviewed and commented on over 1500 proposals involving:

- sales, leases, and general permits for the use and development of Crown Land;
- exchange of Crown Land with Local Government Districts; or
- reservations of Crown Land for municipal, provincial and federal authorities.

Figure #2 gives a general overview of the numbers of subdivision and Crown Land applications reviewed over the past five years.

Staff also participated in various government committees and compiled land use information for many projects as part of the geometric design criteria preparation.

SUBDIVISION & CROWN LAND APPLICATIONS

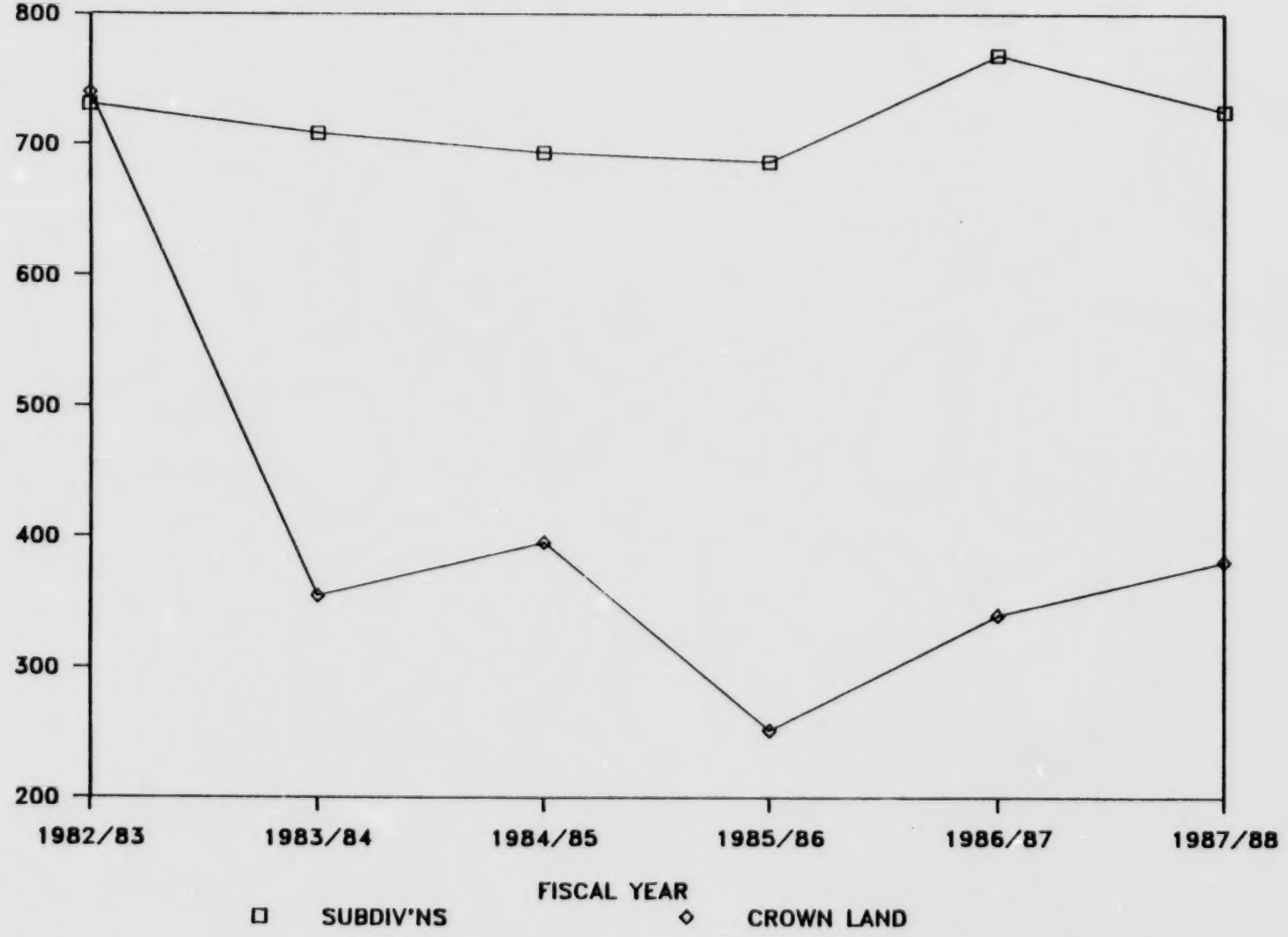


FIGURE 2

Lynn Lake - Flin Flon Route Location Study

The Province received numerous requests from northern communities for consideration of a new all-weather road link from the vicinity of Flin Flon to Lynn Lake.

To meet these requests M.M. Dillon Ltd., consulting engineers, were engaged by the Department to undertake an overview study. The Consultants are evaluating a number of alternative corridors (See Figure #3) for engineering constraints, social benefits, economic benefits, and environmental impacts.

The Consultant and departmental staff met with residents and representatives of Lynn Lake, Leaf Rapids, Sherridon, Pukatawagan, Snow Lake and Flin Flon and also the Mayor and Town Council of The Pas.

The study is expected to be completed by the summer of 1988.

Shilo - P.R. No. 340

Construction of a by-pass around Shilo is expected to begin in 1988/89. It forms part of a departmental plan to upgrade P.R. No. 340 between the Trans-Canada Highway and P.T.H. No. 2. This plan involves relocating P.R. No. 340 out of the Canadian Forces Base at Shilo and replacing the Treesbank Ferry with a new all weather bridge.

Manitoba Environment Act 1988

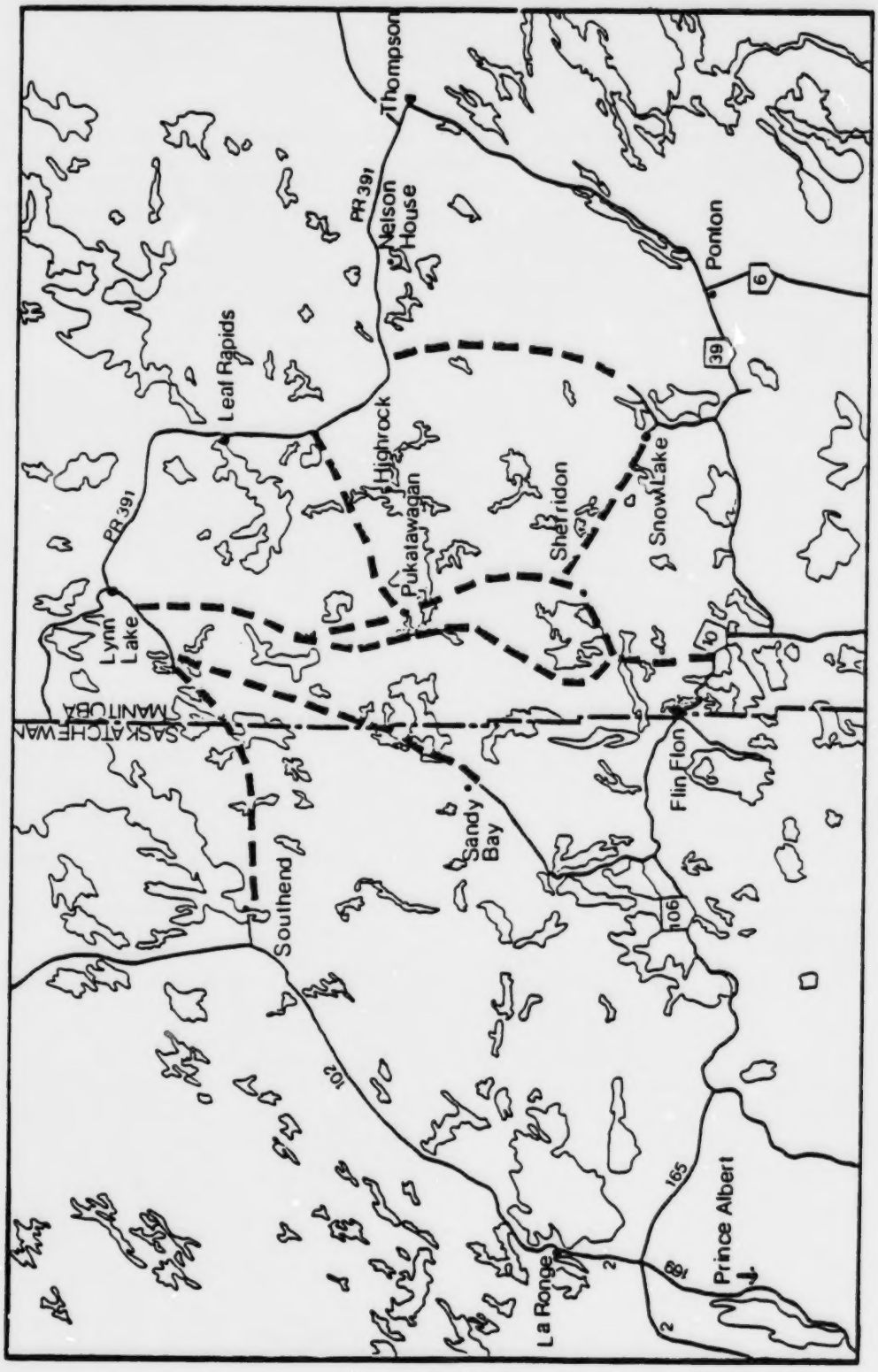
The new Manitoba Environment Act was proclaimed on March 31, 1988 and is legally binding upon the Department.

The Act covers:
- permanment concrete and asphalt batch plants
- roads of 2 lanes or more at new locations
- widening of existing roads in areas sensitive to environmental disturbance
- winter roads at new locations
- alterations to stream channels affecting fish mobility and habitat.

Facilities directly associated with the highway such as bridges, drainage works and borrow pits are also included. The Systems Planning Engineer is the departmental contact for the review of all highway projects requiring an environment licence and also for all non-Department projects (public and private).

FIGURE 3

LYNN LAKE – FLIN FLON ROUTE LOCATION STUDY



ALTERNATIVE CORRIDOR LOCATIONS : ▬ ▬ ▬

Lagimodiere Boulevard Noise Barrier

Manitoba Urban Affairs, provided $1,050,000 for the design and construction of a noise barrier along Lagimodiere Boulevard, Winnipeg, between Paterson Street and Baudoux Place. The Systems Planning Engineer helped determine the type of wall to construct.

The 3.65 to 4.0 metre high concrete wall, to be constructed in the summer of 1988, is expected to reduce noise levels around houses adjacent to Lagimodiere Bouldevard from 75 to 65 decibels.

HIGHWAY PROGRAMMING SECTION

Programming

Required improvements to the provincial truck highway system were identified through a computerized needs study program. The program analyzes surface condition and type, curvature, accident statistics, etc. and establishes priorities for improvements:
1 - requiring immediate attention,
2 - requiring attention in the next one to five years, and
3 - requiring attention in the next six to ten years.
Most funds are allocated to meeting the first priority.

The Provincial Highway Inventory will be computerized. A personal computer has been purchased so that the updating of this information can be done directly by Highway Programming staff.

The annual pre-advertising; construction; and three year highway programs were formulated using the information received from the needs study program as well as from District Staff. Projects requiring rehabilitation, upgrading or new construction were categorized.

Yellowhead Route

Under a cost-sharing agreement between the four western provinces and the federal government, the Yellowhead Highway will be upgraded over a three-year period. In the first year - 1987/88 - the following projects were carried out:
- Consultant commenced traffic interchange functional design study of P.T.H. No. 1/16 at P.R. No. 240, Portage la Prairie;
- Alignment and Intersection improvements (3.9 km) on P.T.H. No. 16 at Gladstone;
- Pavement Strengthening (18.7 km) from Gladstone to Arden Ridge;
- Bridge replacement near Westbourne.

Utility Review

Insofar as utility improvements - such as underground telephone cables and oil and gas pipelines - may affect rights-of-way, the Highway Programming Section reviewed many proposals from MTS, Manitoba Hydro, the gas and oil industry, railways and other utilities.

The number of MTS proposals has increased dramatically over the past 10 years and is expected to increase even more with the announcement that rural Manitoba will be converted to single-line service. Figure #4 shows a graphic record of the number of MTS proposals reviewed by the Highway Programming Section since 1978/79.

Land Administration

The Highway Programming Section assumed responsibility for co-ordinating both the acquisition of land for provincial highway improvement and related purposes, and the disposition of surplus land.

In addition to these new functions, the Section engages the Land Acquisition Branch to purchase needed properties.

The Section also reviews abandoned Canadian Pacific and Canadian National Railway subdivisions and identifies which portions should be retained by the Province for provincial highway improvement purposes.

It also processes sales of surplus property, leases, utility right-of-way easements and encroachment agreements, as well as road allowance permits authorizing various methods of seismic testing to be carried out on provincial highway rights-of-way.

In addition, the Section investigates and responds to inquiries about the status of right-of-way acquisition for various projects, the possibility of advance property purchases, and the procedures involved in acquiring property administered by the Department.

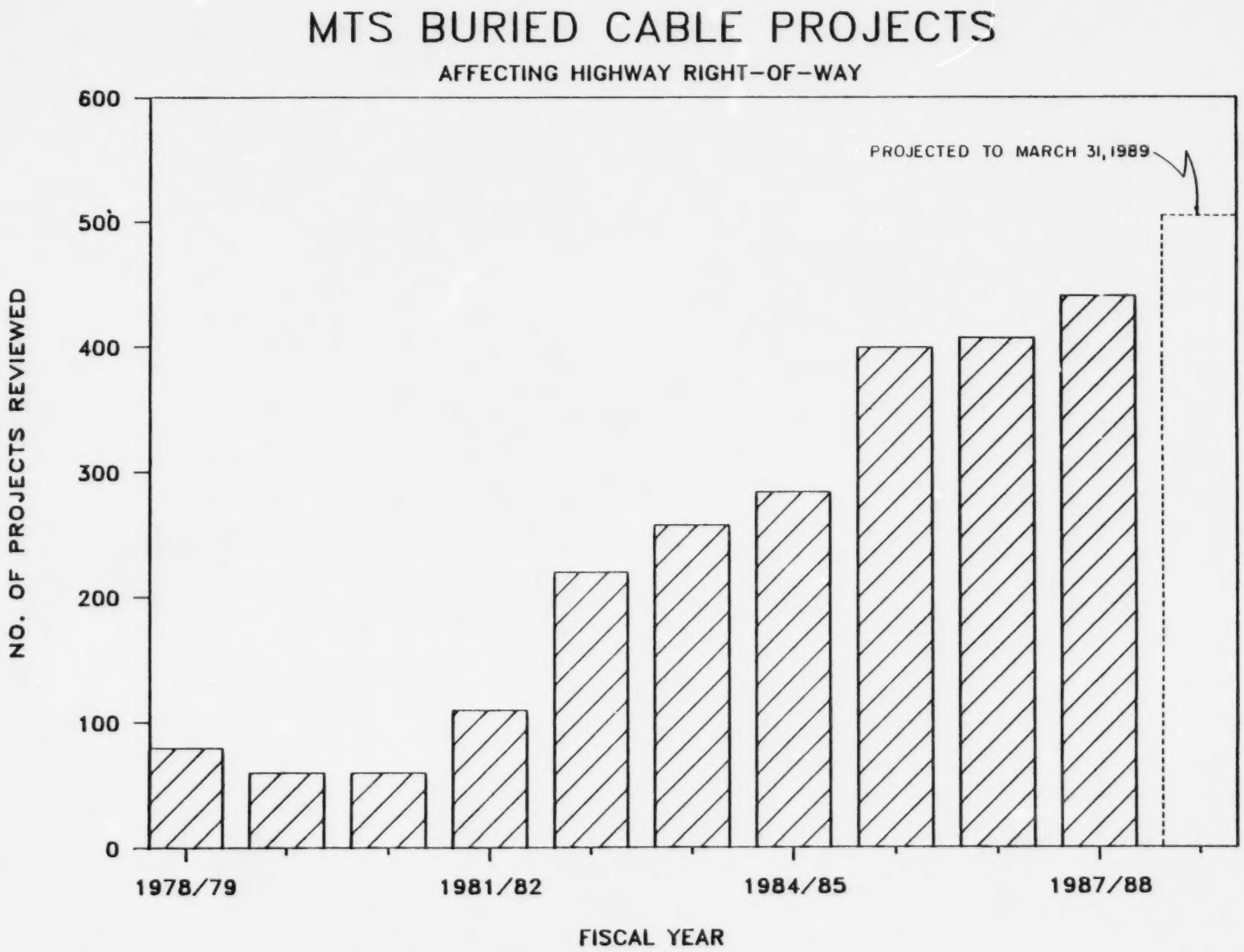

MTS BURIED CABLE PROJECTS
AFFECTING HIGHWAY RIGHT-OF-WAY
PROJECTED TO MARCH 31, 1989
NO. OF PROJECTS REVIEWED
600
500
400
300
200
100
0
1978/79
1981/82
1984/85
1987/88
FISCAL YEAR

FIGURE 4

STUDIES AND STATISTICS SECTION

The annual Average Daily Traffic Flow Map and the related traffic Statistics Book were prepared from field information collected throughout the year.

Traffic classification studies were completed at 22 locations on a seasonal basis to identify the volume of various vehicle classes using the Highways.

29 special one-day turning movement counts were taken for traffic signal, pedestrian corridor or intersection design studies.

Figure #5 illustrates the growth in vehicle kilometres of travel on the Provincial Trunk Highway and Provincial Road system. There has been a steady growth in traffic over the last 25 years. The apparent shortage and increased cost of fuel slowed the growth in the early 1980's with an apparent recovery in the late 1980's.

Figure #6 shows the Annual Average Daily Traffic (AADT) by kilometric distance. For example, approximately 3500 kilometres of road carry over 1000 vehicles per day with the balance of the Provincial Road system carrying less than 1000 vehicle per day.

Bicycle Study

Bicycle-motor vehicle accidents, involving cyclists over 19 years of age, have steadily increased over the past 10 years whereas other age groups have experienced either a decline or only a slight increase.

Cyclist fatalities rose by 40 per cent between 1986 and 1987. This was on top of a 67 percent increase between 1985 and 1986.

As a result of this trend, the Safe Cycling Subcommittee was established under the Manitoba Traffic Safety Committee in September 1986.

Throughout 1987-88, the Department has been involved in:
- developing and implementing a short-term public awareness campaign;
- reviewing current legislation under The Highway Traffic Act as it relates to cycling;
- recommended proposals for a formal public awareness compaign.

An internal study is expected to be completed in 1988-89 to identify those routes within the Province that are or could be made suitable for bicycle traffic.

Land Use and Access Control

83 Traffic Board hearings were attended at which 865 applications were reviewed for structure or access permits along Provincial Trunk Highways and 401 similar permit applications along Provincial Roads. Staff also reviewed advertising signs.

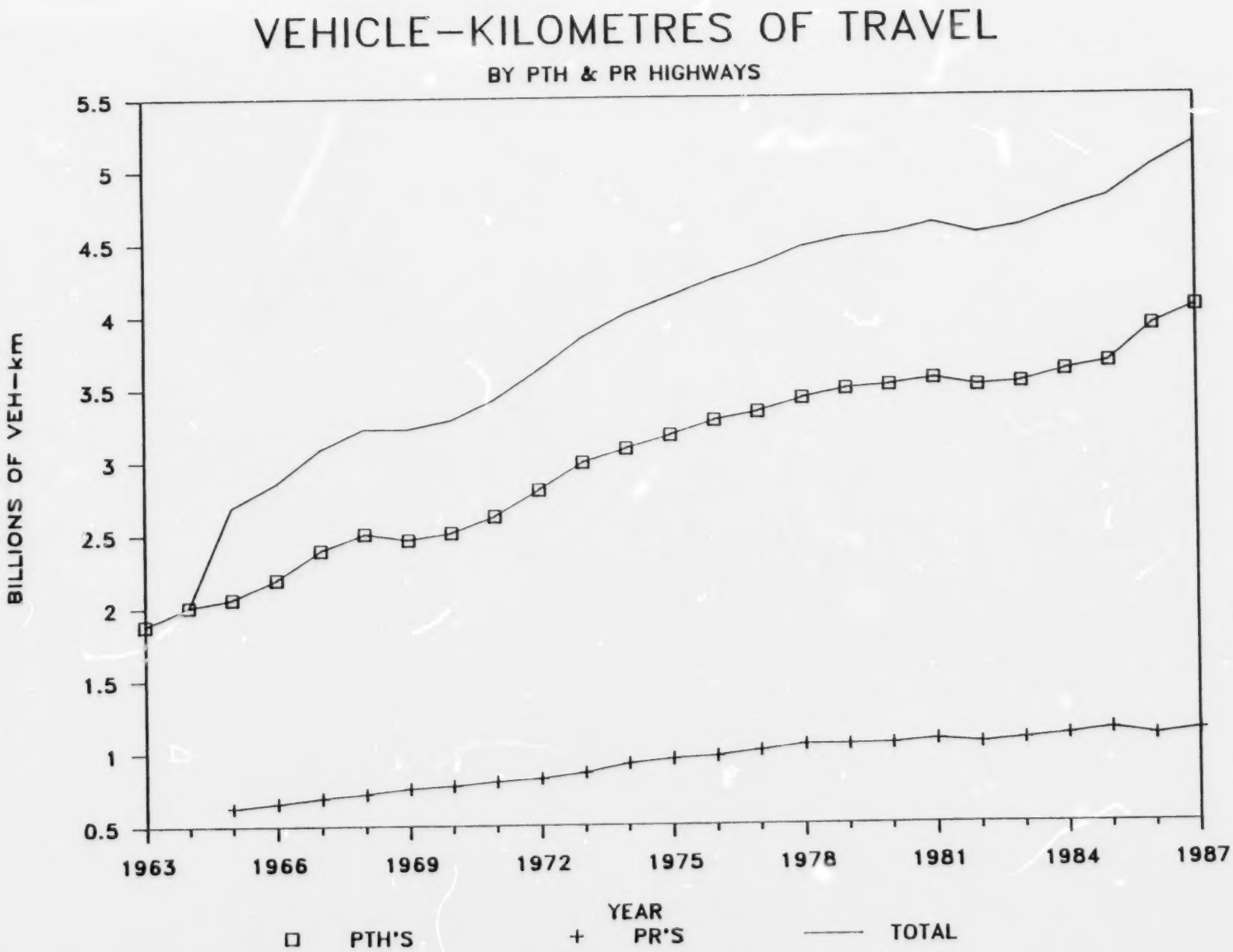

VEHICLE–KILOMETRES OF TRAVEL
BY PTH & PR HIGHWAYS
BILLIONS OF VEH–km
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
1963
1966
1969
1972
1975
1978
1981
1984
1987
YEAR
PTH'S
PR'S
TOTAL

FIGURE 5

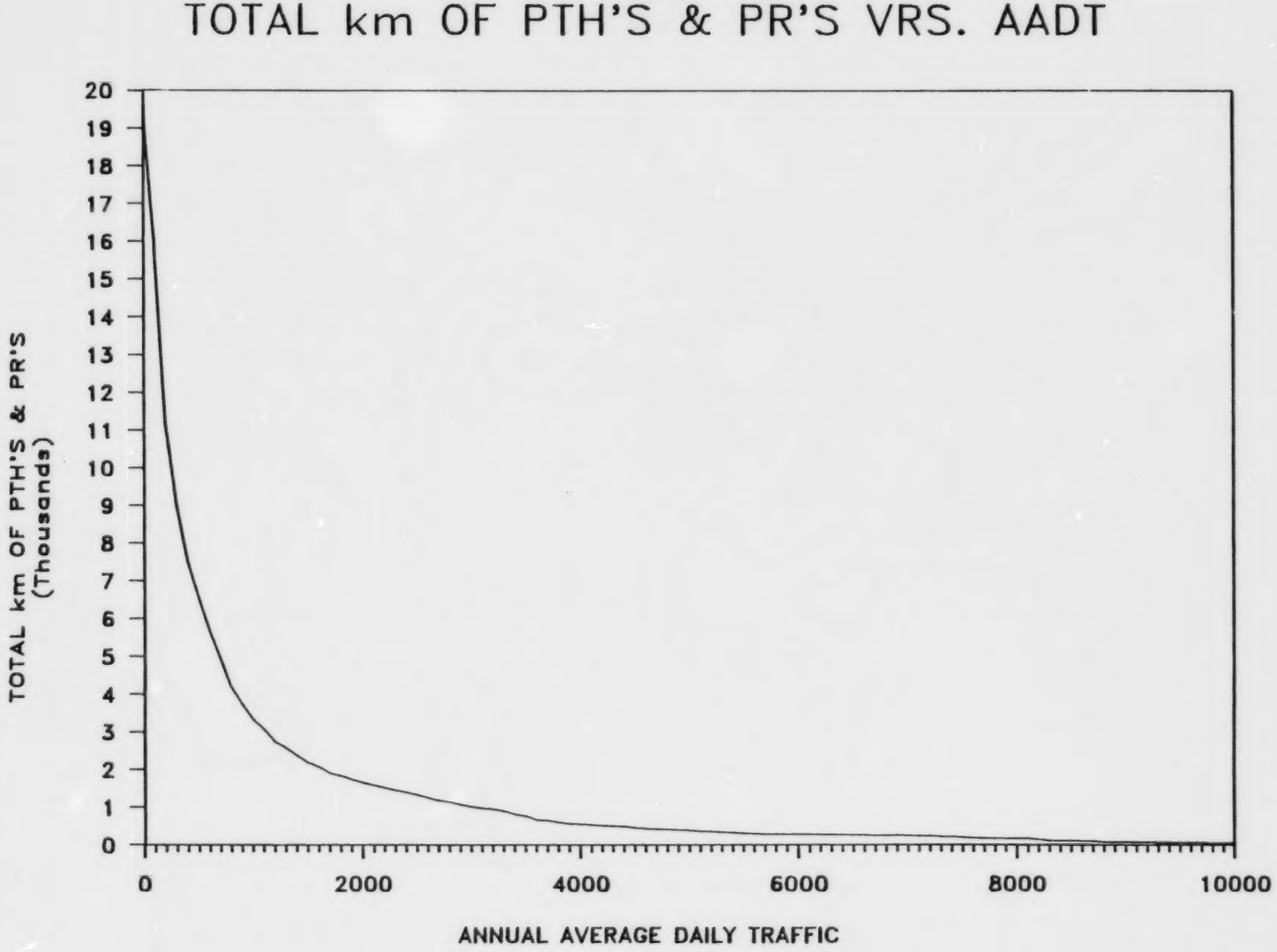

TOTAL km OF PTH'S & PR'S VRS. AADT
TOTAL km OF PTH'S & PR'S (Thousands)
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
0
2000
4000
6000
8000
10000
ANNUAL AVERAGE DAILY TRAFFIC

FIGURE 6

BICYCLE / MOTOR VEHICLE (B MV) ACCIDENTS INVOLVING CYCLISTS 20 YEARS OF AGE OR OLDER

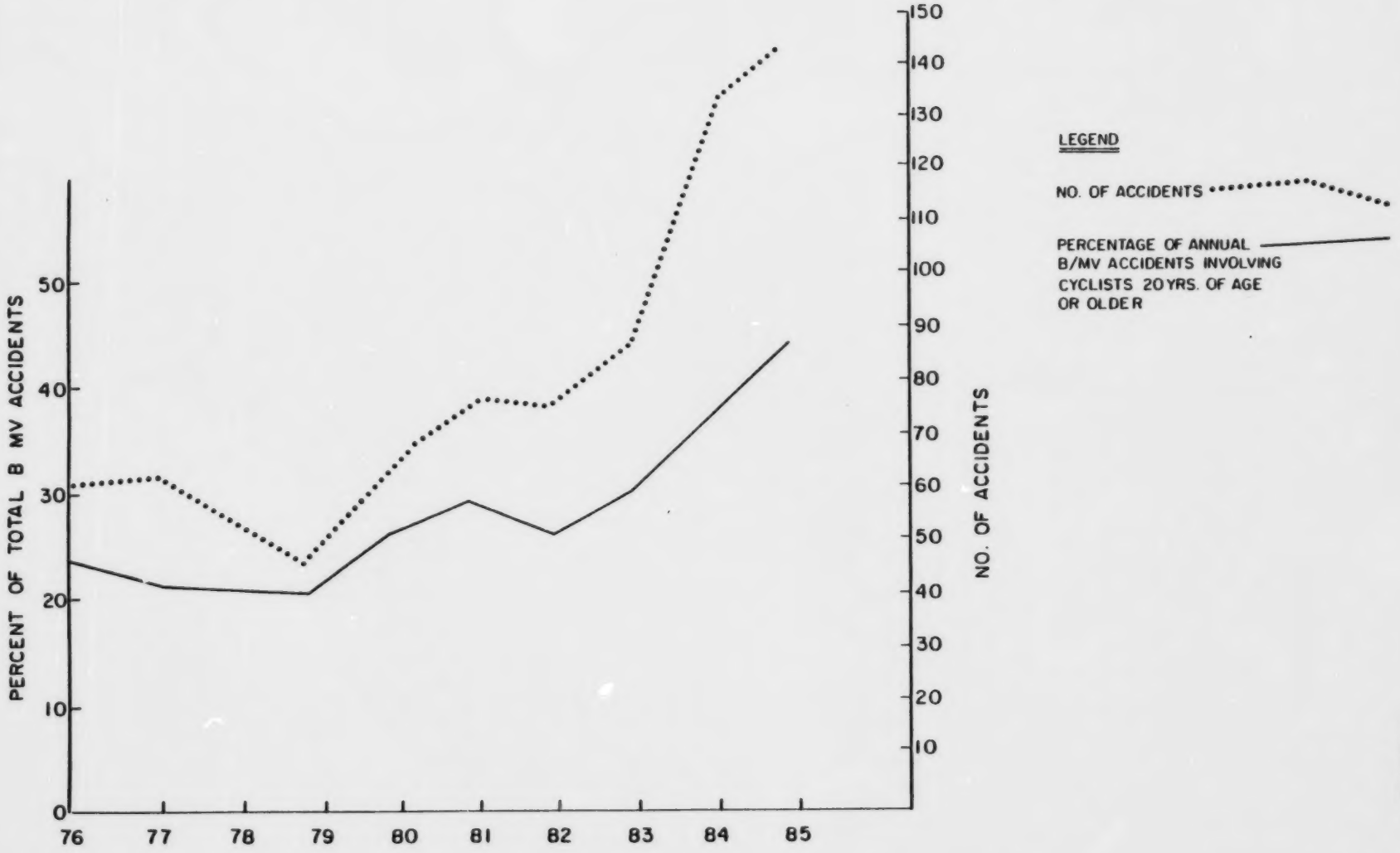


FIGURE 7

DESIGN AND DRAFTING

Design staff were mainly involved throughout the 1987/88 fiscal year with more complex and specialized roadway design projects and brief progress reports on some of these major projects are given below:

Among the specialized roadway plans developed by design staff and outside consultants were the following:

P.T.H. No. 100 - South Perimeter Highway Study (from P.T.H. No. 3 easterly to P.T.H. No. 59 south)

The long range plan envisages interchanges at specified intersections (and the closure of all other intersections) and also establishing grade separations at all railway crossings. The plan was necessitated by continuing urban expansion near the South Perimeter Highway.

P.T.H. No. 3 & No. 14 Morden - Winkler Corridor (West of P.R. No. 434 to East of P.T.H. No. 32)

A departmental review reaffirmed the earlier commitment to provide a four-lane twin highway between Morden and Winkler, one of the most heavily travelled corridors in Manitoba. The final design plans for the proposed upgrading have still to be finalized and existing functional plans were under review.

P.T.H. No. 44 - P.T.H. No. 59 to the Brokenhead River

Four-laning the section between Garson and Tyndall was approved in November 1987. (The section from P.T.H. No. 59 to west of Garson was under construction while plans were being finalized for the section from Tyndall to the Brokenhead River).

P.T.H. No. 1 West (Perimeter Highway to Headingley) Traffic Operation Study

Several years ago a consultant's study recommended a relocation of P.T.H. #1W between the Perimeter highway and Headingley to the north. This proposal has not yet been pursued and work began to see if it was feasible to construct a 4-lane divided highway along the existing P.T.H. No. 1W location. To date most of the work has been concentrated on the perimeter end. Functional plans have been prepared for a possible divided roadway from the Perimeter Highway to west of Camp Manitou Road. This includes a westerly relocation of the signalized intersection with modifications to the existing interchange on P.T.H. No. 1W which serves the Assiniboine Downs Race Track.

P.R. No. 240 Functional Design Study

The study will identify the long range requirements for P.R. No. 240 from downtown Portage la Prairie southerly across the P.T.H. No. 1W/P.T.H. No. 16 (Trans-Canada) by-pass and the Assiniboine River to the existing C.F.B. Portage la Prairie access road and intersection with P.R. No. 331. The study focusses on a grade separated interchange at the signalized intersection of P.R. No. 240 and P.T.H. No. 1W/P.T.H. No. 16. Since the project is part of the Federal Yellowhead Highway Agreement, interchange construction will begin in the summer of 1988 and be completed by the winter of 1990.

Public meetings and discussions between the Department, City of Portage la Prairie and local municipalities indicated overwhelming support for the interchange and P.R. No. 240 realignment.

Brandon Eastern Access (P.T.H. No. 1 to Richmond Avenue)

Some alignment revisions were made, and a functional road layout plan prepared from the Trans-Canada Highway to south of Richmond Avenue. The study examined the Trans-Canada Highway traffic interchange, the C.P.R. underpass, the Assiniboine River crossing, and intersections and access points along the route.

The road layout and right-of-way requirements were finalized and the plan approved in October 1987. Archeological surveys will be carried out during the 1988/89 fiscal year to protect areas of historical interest.

P.T.H. No. 1E, Plessis Road to P.T.H. No. 100

The road layout and right-of-way plan was approved in April 1987.

P.T.H. No. 7/P.T.H. No. 101 Interchange

A cloverleaf and a collector-distributor road on the north side of this interchange layout was approved. The detailed design is underway and initial construction is expected to commence this summer.

The Northeast Perimeter Study

This section of the Perimeter Highway between P.T.H. No. 15 and P.T.H. No. 59N has not been constructed, although the basic right-of-way was acquired in the 1960's. A study was needed because urban expansion and subdivision activity along the Perimeter increased pressure to integrate it into the City's land use and transportation schemes. It is expected to be completed by late 1988.

A long range plan will be developed for a high speed expressway with controlled access by interchanges only, and grade separations at railways.

General

Staff have also reviewed highway designs prepared in district offices (See Figure #8); assisted on design aspects of planning studies, access controls, highway access for major land use development plans, and Manitoba Environment Assessment Review Agency submissions.

The production of detailed design drawings and the level of service provided by the Section has been enhanced by the now fully operational intergraph CADD-CAM (Computer-aided Drafting and Design) system.

Drafting Activities

Staff were engaged in drafting Traffic Flows and Counts, Count Locations, Control Lines, and various classification study maps. Staff also began redrawing the disorganized and unorganized municipal maps.

The annual update of other important maps continued and hundreds of sketches/plans were prepared for other departmental Divisions/ Sections and for work associated with acquisition and disposition of land; railway and gas pipelines; Road Allowance Permits; and subdivision review. Furthermore, a considerable number of drawings were prepared in conjunction with Access and Building Permit Applications (See Figure #9) and numerous mosaics, forms and charts were drawn up utilizing the intergraph CADD-CAMM (Computer-aided Drafting and Design) system.

Drafting staff took photographic slides for various highway presentations and special photo enlargements of all provincial airports were prepared for the Northern Airport and Marine Branch.

LAND SURVEYS SECTION

As illustrated in Figure #10 the field of activities in this Section during the fiscal year 1987/88 generally decreased compared to the average of the previous three years. However, there were more surveys for Provincial Trunk Highways, Provincial Roads and Other Roads.

The office work on revisions to the Provincial Trunk Highway and Provincial Road declarations engaged two full time technical staff during the year. Portions of Provincial Roads that have not been surveyed will be attended to as staff becomes available. The number of Survey Requests carried over increased and the number of Unregistered Plans at Land Acquisition Branch increased. As of March 31, 1988 - 26 expropriation plans were in Land Acquisition's hand for processing.

REVIEW OF
HIGHWAY CONSTRUCTION PROJECTS
(PLANS AND PROFILES)

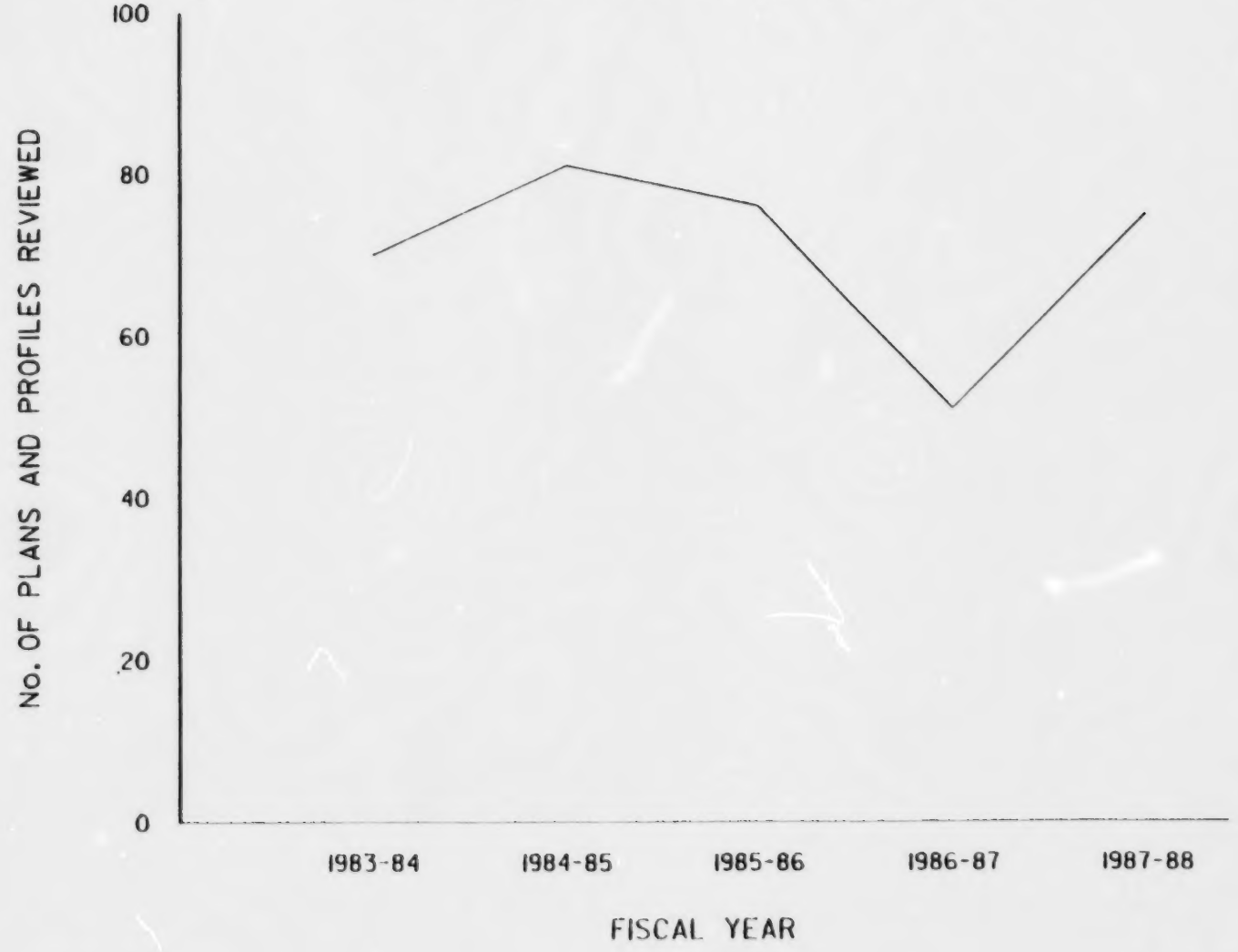


FIGURE 8

ACCESS & BUILDING PERMIT APPLICATIONS ON P.T.H.'s & P.R.'s

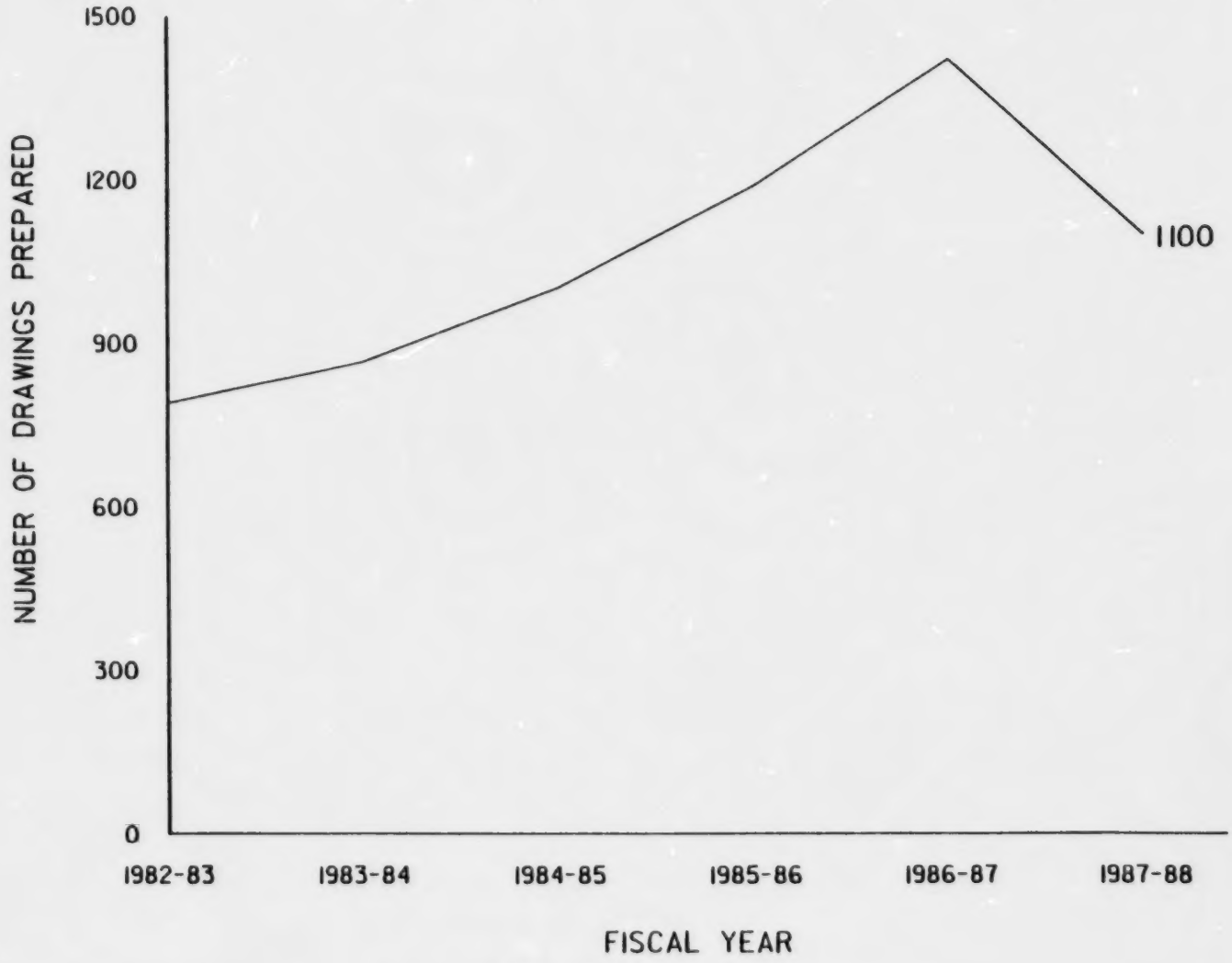


FIGURE 9

Three of the major projects completed during the year were Trans-Canada Highway West (1st St. - 18th St. in Brandon), Trans-Canada Highway East (Plessis Road East) and P.T.H. No. 8 on Hecla Island.

The Chief Land Surveyor served on the Canadian Council of Surveying and Mapping.

Safety is a paramount consideration in highway design. Here, a concrete barrier divides the heavily travelled, high speed, four-lane Perimeter Highway west of Winnipeg.

LAND SURVEYS SECTION

Statistical Summary and Comparison of Operations

	1987/88	1986/87	1985/86	1984/85
Kilometres of Section Line Retracement	814	902	1160	1260
Standard Posts placed at Section Corners	637	646	850	949
Centre Line Kilometres of all Roads Surveyed	245	328	307	437
Provincial Trunk Highway Surveys	16	9	14	20
Provincial Road Surveys	38	27	33	40
Other Road Surveys	10	8	12	9
Miscellaneous Surveys	16	13	18	20
Retracement Surveys	30	23	41	29
Plans Drafted	105	102	128	155
Plans Registered in the Land Titles Offices	32	89	136	119
Orders of the Minister Closing Public Roads	17	20	19	39
Survey Requests	110	80	120	108
Expropriation Requests	15	12	26	24
Carryover of Unregistered Plans at Land Acquisition Branch	120	109	76	79
Carryover of Survey Requests	15	4	14	16

Engineering and Technical Services

MECHANICAL EQUIPMENT SERVICES

Mechanical Equipment Services Section provides and maintains equipment and associated materials and services required for the Department's road maintenance program and remote airport and ferry operations.

Six major shop complexes are located in Winnipeg, Brandon, Dauphin, The Pas, Thompson and Beausejour. A satellite shop is located in Swan River.

A work force equivalent to 261 staff years is employed.

Total expenditures were $19,704,430.44 while total revenue was $18,716,442.26.

The equipment fleet numbers 2,422 units, including:

Trucks (Light, Medium and Heavy-Duty)	688
Motor Graders	161
Front End Loaders	77
Wheeled Tractors	285
Sand Spreaders	266
Asphalt Mixing Plants	12
Rollers	219
Asphalt Kettles	84
Gravel Crushers	1
Cabooses (Trailers)	77
Soils/Rock Drills	2
Brush Cutters	4
Road Sweepers	39
Pavement Markers	7

One hundred and fifteen units in the fleet (4.7%) were purchased for a total of $3,304,961.31. The original cost value of the fleet is $38,411,084.04.

A total of 198 snowplows were available for service during the winter.

EQUIPMENT MANAGEMENT SYSTEM

A computerized Equipment Management System is being developed to support the management of equipment utilization and repair and associated activities. It is planned to implement the system in fiscal year 1989/90. A preventative maintenance program has been implemented for a portion of the fleet.

Extinguishing forest fires is but one of the many responsibilities of Manitoba Air Services.

Box culverts allow large quantities of water to flow under roads and highways, thereby avoiding the high cost of bridge construction in many cases. This box culvert is situated at a section of P.T.H. No. 75 now being twinned to the U.S. border.

OPERATOR TRAINING PROGRAM

Two trainers provide instruction programs for equipment operators throughout the province, including courses for up-grading driver's licences and the improvement of operating skills on motor graders and front-end loaders.

BUILDINGS

The Winnipeg Head Office and Shop location was moved from 10 Midland Street to a larger facility at 1550 Dublin Avenue in February 1988. Two-bay snowplow sheds were built at the Neepawa and Eriksdale yards. A new wash bay and 3 storage bays were also constructed at the Thompson shop.

WAREHOUSE STORES

Stores are operated at the major shop locations to supply fuel, repair parts, and commodities for the 12 construction/maintenance districts and other sections of the Department.

An on-line computerized system (APIMS) was expanded to include all mechanical stores located at the major shop complexes.

Total purchases were $5,436,797.69 while issues were $5,977,233.89. The total inventory in all stores was $3,102,274.90 at the end of the fiscal year.

AIRCRAFT/RADIO SERVICES

AIR SERVICES

Air Services operates and maintains a fleet of 12 fixed wing aircraft, providing the following services to the various departments and agencies of the Government:

- Dedicated Air Ambulance Program for all Manitoba;
- Transport government personnel and cargo;
- Flights in support of the Northern Patient Transportation Program;
- Forest fire suppression by water bombing;
- Transportation of court officials and Mineral Resources' field parties;
- Support and assistance to the Emergency Measures Organization;

- Enforcement of patrols during hunting and fishing seasons;

- Wildlife census patrols.

The Air Services' fleet is used throughout the Province year round, and is authorized by Transport Canada to operate under day and night Visual Flight Rules and Instrument Flight Rules. The three main bases are Winnipeg, Thompson and Lac du Bonnet, with seasonal operations conducted at various other locations throughout the Province.

Flight Agents located at the main bases, coordinate air transportation requirements for government personnel, ensuring full use of government owned aircraft, and arranging charters with commercial air carriers.

All Air Services' pilots receive annual ground and flight training, with multi-engine crew members undergoing annual proficiency tests and instrument rating renewals conducted by Transport Canada Inspectors.

All qualified pilots on the Cessna Citation aircraft attend Flight Safety International for recurrent and simulator training, and pilots of the CL-215 water bombing aircraft, undergo annual programmed ground and flight training in-house.

Single engine aircraft pilots receive annual ground and flight training from senior staff, with recurrent training conducted at the commencement of float operations and again at commencement of wheel/ski operations.

Aircraft Maintenance Engineers and Avionics Technicians are trained to aircraft manufacturers' standards and are highly skilled in their specialized field.

Routine aircraft servicing and maintenance is conducted at the three bases, with major inspections, overhaul and repair of the multi-engine aircraft handled from the Winnipeg base. Major overhaul and repair work on the single engine aircraft is carried out at the Lac du Bonnet facility.

Aircraft operated by Air Services in 1987/88 consisted of:

4 Canadair CL-215 Water Bombers
2 Cessna Citation Jets
1 Piper Navajo Chieftain
2 Dehavilland DHC-3 Otters
3 Dehavilland DHC-2 MKIII Turbo Beavers

Air Services performed the following:

	1986/87	1987/88		
Total Flight Hours	4 385	4 802	Increase	417
Total Distance Flown (kms)	1 409 453	1 539 386	Increase	129 933
Total Passengers Carried	6 305	6 050	Decrease	255
Total Freight/Cargo Carried (kgs)	173 235	192 550	Increase	19 315

Under the Federal-Provincial Cooperative Supply Agreement, the Province operates one CL-215 Water Bomber under lease from the Federal Government, which forms part of the National Air Tanker Fleet. This aircraft was delivered in July 1986. In April 1988, the Province will take delivery of another CL-215 aircraft which will bring Manitoba's fleet of CL-215 water bombers to five.

On January 1, 1986 the provincial Air Ambulance Program officially commenced operations. The service is available 24 hours a day and the aircraft is staffed by two Pilots and one Flight Nurse and responds to calls throughout the Province. The service has performed the following:

	1986/87	1987/88
Total Flight Hours	880	943
Total Distance Flown (kms)	443 979	491 176
Patients Carried	434	509

On November 2, 1987, Air Services consolidated its operations in Hangar T-5, 900 Ferry Road, in Winnipeg, after nearly 15 years in Hangar T-127 off Sharpe Boulevard. The new facility houses the entire Winnipeg based operation including the CL-215 Water Bombers, Air Ambulance and Radio Services. The facility is leased from the Western Canada Aviation Museum.

Use of the aircraft was well distributed among departments with the Air Ambulance (Life Flight) Program accounting for 32% of all flights, with a total of 491 176 kms, an increase of 47 197 kms from the previous year.

The Department of Natural Resources utilization was 18% or 274 351 kms; an increase of 84 649 kms from the previous year. The Department of Highways and Transportation was the third largest user at 12%, flying 191 832 kms; an increase of 24 595.

As at March 31, 1988 Government Air Services has flown a total of 49 402 571 kms since its inception in 1932.

RADIO SERVICES

The Radio Services Section of the Department of Highways and Transportation coordinates the radio communication requirements of the Manitoba Government, under the guidance of the Radio Communications Committee and under the regulation of the Federal Department of Communications. It operates three well equipped radio shops and four radio service vehicles. The repair and installation shops are located in Winnipeg, Thompson and Dauphin. Regular service trips are made from Dauphin to The Pas monthly. In addition, service trips are made to important radio sites and radio beacon sites. A monthly radio service trip is being made from Winnipeg to Brandon.

The "shared user radio system" was improved in Northern Manitoba but its expansion in Southern Manitoba was blocked pending the adoption of a formal plan for expansion and increased funding.

Radio Services took on a much larger consulting role in Winnipeg and at the local shops. This is in large part due to greater complexity and greater equipment utility.

Radio Services continued to remove, install, repair and maintain radio communications equipment for the Manitoba Government and its agencies. More mobile equipment was purchased for the Department of Highways and Transportation. The Department's low band radio system was improved and plans were made to reduce interference by increasing the number of channels in use. Districts 3 and 4 will also be added to this system.

Final radio licencing approval was obtained for the airstrip at Tadoule Lake. Transport Canada approved the "Facility Operating Manual" and this finalized all approvals needed to operate the radio and radio navigation equipment at this site. The equipment has continued to operate satisfactorily since installation.

Radio equipment was formally licenced and installed for the Department of Natural Resources, "Red River Valley" flood control program. These installations are working very well and will be very effective.

The high band V.H.F. radio repeater installation for Government Services was completed but encountered many radio interference problems from other radio users in downtown Winnipeg. These problems have been largely resolved after a lengthy shut down.

A new computer has been installed in Winnipeg and while the inventory programs have been delayed, this unit is finding additional technical uses in programming radio channels, scanning sequences, etc. The computer has become a radio servicing tool.

New radio equipment purchases and write-offs are expected to result in approximately 3000 units in use.

The main achievement in the Radio Services Section has been the move of the Hangar T-127 radio shop to Hangar T-5. The new location provides improved floor space, better lighting and more satisfactory temperature control. These factors are increasingly important as equipment is constantly being miniaturized and new versatility is designed into radio communication equipment.

Total Radio Inventory

The total radio inventory including Manitoba Government owned mobile telephones is as follows. All figures are estimated.

Station Radios	413
Mobile	1,467
Portables	1,146
Boars	6
	3,032

MATERIALS & RESEARCH

The Materials and Research Section was involved in materials testing, gravel resource management, design of asphalt and Portland cement concrete mixes, provision of training programs for field personnel, structural design and evaluation of pavement, performance of soil investigations and investigation of landslide, frost heave and other special problems encountered on the highway system. It advised on the adequacy of materials and quality assurance.

It developed a computerized system for maintaining gravel resource records and for reviews of land disposition proposals received from Crown Lands, Mines Branch and the Planning Division of the Highways and Transportation Department. Other activities included the biennial evaluation of traffic marking paints, national and international exchange of material test results, inspection of culvert pipe and installations, provision of pavement coring and mobile laboratory services and the supply of quality assurance laboratory testing equipment and materials employed on construction projects.

Representatives participated in the activities of the Roads and Transportation Association of Canada, the Canadian Strategic Highway Research Program and the U.S. Strategic Highway Research Program, the Canadian Technical Asphalt Association, Canadian Geotechnical Society, Canadian Government Standards Association, the Transportation Research Board and the Western Association of Canadian Highway Officials.

PAVEMENT STRUCTURE DESIGN ACTIVITIES

1. Pavement designs were developed for the Highways Construction Program, the Advance P.T.H. Construction Program and the Four Year Proposed P.R. Highway Program.

2. A study was conducted to determine the impact the proposed Vehicle Weights and Dimension Regulations would have on the Designated Interprovincial Highway pavement structures.

3. Performance models were developed for Manitoba pavement surfaces to assist the highway impact analysis for various Off-Track Elevator Options.

4. A review of the Pavement Design System for the Department was initiated to achieve the following goals:

   (a) to document the current design practices,

   (b) to develop consistent Department standards,

   (c) to upgrade the system to allow consideration for accumulated equivalent single axle load applications, and

   (d) to facilitate performance analysis and to develop life cycle cost prediction models.

5. Ten Benkelman Beam crews were expedited for an eight week period from March to May to collect deflection data on all AST and bituminous surfaces. This data was used to manage the 1987 highway spring restriction program and to determine the current structural condition of the highway system.

   A summary of the B-30 test drill activities is given in Table X-6.

GRAVEL RESOURCES

The Gravel Resource Section assumed responsibility for gravel pit rehabilitation but reduced its exploration activities. New funding was provided for restoring gravel pits. By the end of the working season, 11 designated pits were restored to a state compatible with the surrounding area. Work involved waste pile clean-up, burying debris, contouring steep faces and levelling all hummocks.

Work began on the Materials Aggregate Inventory System, a computerized version of the sand and gravel data files. One central aggregate resource data base is being developed from active, depleted, proven non-aggregate and rehabilitated sites. When fully operational, the system will provide the user with on-line and printed reports for any known aggregate site anywhere in Manitoba.

District 9 was arbitrarily chosen as the test area for the system. By the end of 1988 data for District 2, 9 and 11 should be functional under the new system. The target date for the completion of the entire project is December, 1989.

TRAFFIC OPERATIONS

The Traffic Operations Section provides traffic signs at cost to operating divisions of the Department and to other provincial agencies and departments.

Sign Manufacture

The Sign Shop produces essentially two types of signs:

- Sheet Signs - named for the reflective sheeting generally applied to stop signs and speed limit signs.

- Panel Signs - Typical panel signs in this group are all green background signs whether they are mounted overhead or beside the road.

The Sign Shop also recycles used extruded aluminum panel signs at a saving of about $47 per square meter.

The most common sheet signs produced were:

Sign Type	No. of Signs
Stop Signs	1,632
Barricade Boards	1,113
Curve Signs	1,034
P.R. Route Markers	981
Services/Facilities	833
Delineators	804
Hazard Markers	757
Speed Limits	563
P.T.H. Route Markers	560
Directional Arrows	503

Sign Shop Production

	1986/87	1987/88
Sheet Signs	7,894.52	6,372.59 m^2
Panel Signs	1,568.58	1,845.27 m^2
Plywood Signs	(1)	303.78 m^2

Note: (1) Plywood signs included in the sheet sign totals for 1986/87. A financial statement for the Sign Shop is included as an appendix to the report.

TRAFFIC SIGNING

A. Upgrading/Enhancements

Existing guide signs were upgraded, including breakaway aluminum sign posts and a 10 metre setback at the following locations:

P.T.H. #100 @ P.T.H. #1W.
P.T.H. #59 @ P.T.H. #44
P.R. #238 - River Road
P.T.H. #100 @ P.T.H. #1E.
P.T.H. #59 - P.T.H. #101 to P.R. #202

B. Special Signs Projects

1. Stop for school bus signs were installed at 61 locations around the Province.

2. Twenty-six communities as identified in the following list, participated in the community service signing program. This is a cost sharing program with the average community share per sign being approximately $390.

Birtle	Elm Creek	The Pas
St. Malo	La Broquerie	Arborg
Hartney	Lundar	Manitou
Sandy Lake	Elgin	Russell
San Clara	Rapid City	
Treherne	Morden	
Belmont	Killarney	
Glenboro	Pinawa	
Leaf Rapids	Manigotagan	
Ste. Agathe	Mitchell	
Riverton	Melita	

3. Guide Signs were installed for the following Provincial Parks:

Nopiming
Grass River
Winnipeg Beach

ILLUMINATION

1. Intersection identification illumination was installed at the following locations for the costs shown:

Intersection	Cost
P.T.H. #59 at Prairie Grove Road (North Junction)	$ 5,000.00
P.T.H. #3 (South Junction)	1,895.60
P.T.H. #3 at P.R. #445	884.40
P.R. #206 at P.R. #207	2,860.15

At all locations high pressure sodium fixtures were installed.

These installations resulted in an increase of approximately $725 in the annual operating cost paid by the Department for illumination of Provincial roadways.

2. Sign Illumination

Mercury Vapour (MV) Luminaire Fixtures were installed on three overhead sign structures on P.T.H. #101, P.T.H. #9 and P.R. #204.

3. Modifications

a. P.T.H. #1 at P.T.H. #1A, east interchange, Portage la Prairie

The existing 25-1000 W luminaires were replaced by 13-400 W HPS and 4-250 W HPS luminaires at a capital cost of $23,000. These modifications resulted in a decrease in the annual operating costs of approximately $6,620.

b. P.T.H. #8 at P.T.H. #101

Existing 103-1000 W MV luminaires, 21-700 W MV luminaires and 40-175 W MV luminaires were replaced by 28-1000 W HPS luminaires, 17-250 W HPS luminaires 80-400 W HPS luminaires and 24-70 W HPS luminaires at a capital cost of $127,000. These modifications resulted in a decrease in the annual operating costs of approximately $11,202.

CONSTRUCTION INSPECTION

To maximize safety for workers and the public, the Construction Traffic Control Inspector reviewed 78 construction and maintenance sites to determine their adequacy for traffic control.

Traffic Accidents

Accident Severity	1986	1987	% Change
Fatal	88	78	- 11.4
Injury	1413	1584	+ 12.1
Property Damage	4640	5057	+ 9.0
Total	6141	6719	+ 9.4

Speed Limit Studies

There were a total of 46 speed limit review studies undertaken and submitted to the Highway Traffic Board for consideration. Major studies included the monitoring of traffic speed on routes recently converted to 100 km/hr and consideration of the inclusion of additional routes into the 100 km/hr network of highways.

Maintenance/Operation of Electrical Traffic Control Devices

Included in the following summary of expenditures, is the maintenance/operation of traffic signals, pedestrian corridors, flashing signals and overhead sign lights and other miscellaneous traffic control devices.

Electrical Energy	$144,989.89
Salaries	131,211.03
Electrical Parts	42,874.54
Equipment Rentals	19,872.07
Contract Maintenance	20,635.96
Miscellaneous	18,881.70
	$378,465.19

FINANCIAL STATEMENT
TRAFFIC OPERATIONS
SIGN SHOP
APRIL 1/87 TO MARCH 31/88

I. Gross Sales (recoveries)			$ 953,991.53
II. Operating Expenses			
Labour	$233,620.77		
Materials	569,681.57		
Freight	11,884.98		
Utilities	14,594.77		
Miscellaneous	27,799.69 (1)		
Total 1987/88 Expenses		$857,581.78	
Gross Operating Surplus/Loss			$ + 96,409.75
III. Inventory			
As of April 1, 1987			
Manufactured Goods		$245,756.34	
Raw Materials		67,335.55	
Total		$313,091.89	
As of March 31, 1988			
Manufactured Goods		$256,107.15	
Raw Materials		54,738.54	
Total		$310,845.69	
Inventory Charge			$ - 2,246.20
Net Operating Surplus/Loss			$ + 94,163.35

NOTES: (1) Included in this figure is the one time cost of $17,066.93 for the purchase of a Gerber IV sign maker.

1987 ACCIDENT STATISTICS

Accidents by Vehicle Type	No.	Percentage
1 Automobile	4364	64.95
2 Motorcycle	114	1.70
3 Bicycle	5	0.07
4 Moped	0	0
5 School Bus	4	0.06
6 Transit Bus	3	0.04
7 Inter City Bus	0	0
8 Bus (other)	5	0.07
9 Pickup or Van	1762	26.22
10 Truck over 5 000 kg	112	1.67
11 Tractor & Semi	158	2.35
12 Motorhome	19	0.28
13 Truck/Camper	8	0.12
14 Truck/Other	141	2.10
15 Farm Equipment	7	0.10
16 Construction Equipment	9	0.13
17 Snowmobile	0	0
18 Snow Vehicle	0	0
19 Train	0	0
20 Ambulance	20	0.30
21 Fire	0	0
22 Police/RCMP	3	0.04
23 Pedestrian	3	0.04

Accidents by Major Contributing Factor	No.	Percentage
Not Applicable	1874	27.89
Other	1	0.01
Unknown	51	0.76
Human Conditions:		
Blackout Prior to Accident	9	0.13
Extreme Fatigue/Fell Asleep	32	0.48
Defective Eye Sight	1	0.01
Medical Disability	1	0.01
Physical Disability	2	0.03
Mental Disability	1	0.01
Unable to Remember/Confused	3	0.04
Sudden Illness	4	0.06
Ability Impaired by Alcohol	75	1.12
Ability Impaired by Drugs	1	0.01
Had Been Drinking	47	0.70
Human Action:		
Following too Closely	121	1.80
Turning Improperly	116	1.73
Failed to Signal	10	0.15
Driving too Fast for Conditions	372	5.54

Accidents by Major Contributing Factor	No.	Percentage
Exceeding Speed Limit	32	0.48
Passing Improperly	43	0.64
Changing Lanes Improperly	36	0.54
Failed to Yield R.O.W.	112	1.67
Disobeyed Traffic Control Devices	59	0.88
Driving Wrong Way on Roadway	10	0.15
Passing Vehicle at Ped. Crosswalk	3	0.04
Backing Unsafely	49	0.73
Parking Improperly	15	0.22
Careless Driving	103	1.53
Lost Control/Drive Off Road	516	7.68
Driverless Vehicle Ran Out of Control	6	0.09
Leave Stop Sign Before Safe to do So	67	1.00
Driver Inexperience	88	1.31
Vehicle Defects	294	4.38
Environmental Conditions:		
Animal Action - Wild	1187	17.67
Animal Action - Domestic	102	1.52
Surface Slippery	916	13.63
Snow Drift	35	0.52
Obstruction/Debris	56	0.83
View Obstructed	56	0.83
Glare	22	0.33
Construction Zone	11	0.16
Defective Driving Surface	66	0.98
Shoulder Defective	10	0.15
Lane Marking Inadequate	2	0.03
Traffic Control Device Not Working	2	0.03
Wind	23	0.34
Pedestrian Corridor in Use	3	0.04

Accidents by Surface Condition	No.	Percentage
Not Applicable	45	0.67
Other	1	0.01
Unknown	24	0.36
1 Dry	3908	58.16
2 Wet	660	9.82
3 Mud	14	0.21
4 Snow	341	5.08
5 Ice	1503	22.37
6 Slush	106	1.58
7 Loose sand/gravel/dust	115	1.71
8 Fresh soil	2	0.03

Accidents by Number of Vehicles Involved	No.	Percentage
1	4171	62.08
2	2419	36.00
3	107	1.59
4	19	0.28
5	3	0.04

Accident Description	No.	Percentage
1 Rear End	779	11.59
2 Head On	121	1.80
3 Side Swipe (Opposite Direction)	142	2.11
4 Side Swipe (Same Direction)	237	3.53
5 Over Taking (Passing)	143	2.13
6 Right Turn (Rear End)	30	0.45
7 Right Turn (Head On)	13	0.19
8 Left Turn (Head On)	53	0.79
9 Left Turn (Side Swipe)	27	0.40
10 Left Turn (Classic)	159	2.37
11 Right Angle (Intersection)	430	6.40
12 Off Road Right	1004	14.94
13 Off Road Left	881	13.11
14 Fixed Object	246	3.66
15 Parking	42	0.63
16 Pedestrian	25	0.37
99 Other	2387	35.53

Accidents By Speed Limit	No.	Percentage
Unreported	444	6.61
50	1434	21.34
60	159	2.37
70	235	3.50
80	179	2.66
90	2146	31.94
100	2122	31.58

Age of Driver	No.		Percentage	
Unknown	36		0.54	
Under 16	14		0.21	
16	206)		3.07)	
17	268)		3.99)	
18	305)	- 1313	4.54)	- 19.54
19	284)		4.23)	
20	250)		3.72)	
21-25	1213		18.05	
26-30	844		12.56	
31-40	1357		20.20	
41-50	763		11.36	

Age of Driver	No.	Percentage
51-60	529	7.87
61-70	400	5.95
71-80	218	3.24
Over 80	32	0.48

Accidents by District	No.	Percentage
District 01	836	12.44
District 02	735	10.94
District 03	531	7.90
District 04	232	3.45
District 05	999	14.87
District 06	724	10.78
District 07	485	7.22
District 08	423	6.30
District 09	203	3.02
District 10	446	6.64
District 11	375	5.58
District 12	730	10.86

Accidents by Weather Conditions	No.	Percentage
Not applicable	48	0.71
Unknown	30	0.45
1 Clear	3984	59.29
2 Cloudy	1350	20.09
3 Raining	315	4.69
4 Snowing	407	6.06
5 Fog or Mist	232	3.45
6 Smoke or dust	16	0.24
7 Freezing rain/sleet/hail	125	1.86
8 Drifting Snow	158	2.35
9 Strong Winds	54	0.80

NORTHERN AIRPORTS/MARINE OPERATIONS

AIRPORTS

The Northern Airport Program serves to support the provision of socio-economic and emergency requirements, such as medical retrievals, forest protection, the tourist industry and resource development, to isolated and remote communities in Northern Manitoba.

The Province of Manitoba operates, maintains or has some involvement at 32 airports and aerodromes which accommodate up to, and including, Class II air service at the following locations:

Twenty-One Certified Airports

Berens River
Bloodvein
Brochet
Cross Lake
God's Lake Narrows
Grace Lake
Ilford
Island Lake
Lac Brochet
Lac du Bonnet
Little Grand Rapids
Norway House
Oxford House
Pikwitonei
Red Sucker Lake
St. Theresa Point
Shamattawa
South Indian Lake
Tadoule Lake
Thicket Portage
York Landing

One Certifiable Airport

Pukatawagan

Eight Emergency Aerodromes

Bissett
Cormorant
Dauphin River
Easterville
Matheson Island
Moose Lake
Poplar River
Princess Harbour

In addition to the 30 airports listed above, the Province has assisted in the purchase of the God's River Airstrip for the God's River Band. The airstrip is presently owned and operated by the Band.

The Wasaagamack Aerodrome is presently inactive.

Projects undertaken in 1987/88 fiscal year include the following:

- Construction of Tadoule Lake Airport was completed and was officially opened on November 20, 1987, by Federal and Provincial representatives.

- A seven to ten years' supply of maintenance gravel was established for Pikwitonei and Thicket Portage airstrips by drilling, blasting and crushing bedrock.

- The Department is under contract with Atmospheric Environment Services Canada to provide weather observation and reporting at Norway House (since the early 1970's), Berens River (since May 15, 1985) and Island Lake (since April 1, 1986).

Airport Activity Summary		Increase/Decrease over 86/87
Total Aircraft Movements	67 559	7.2%
Total Passenger Movements	164 592	2.7%
Total Freight	8 797 tonnes	(8.9%)

Staff Development and Training

Where possible, the Airport and Marine Branch policy is to hire staff from the community where the positions exist. The appropriate training is provided to ensure that each employee can perform his duties in a safe and efficient manner. Some of the training programs include Regional Airport Manager, Crash/Fire/Rescue, Saint John's Ambulance, Equipment Operation, as well as work planning and time management.

MARINE OPERATIONS

The Department owns and operates six ferries (three cable ferries and three motor vessels), to provide access to remote communities. A seventh ferry (C.F. Thomas McIvor) is not being used at present due to the completion of a bridge at Cross Lake.

The M.V. Charles Robert, operated by the Department, provides access from the end of the road at South Bay to the community of South Indian Lake, seven days per week, with two round trips per day during the operational season. The start-up date for service was May 21 and the shut-down date was November 6, 1987.

The M.V. Joe Keeper, operated by the Department, provides access from the Thompson-Split Lake Road to the community of York Landing. Service is provided on a three day per week, one round trip per day basis. The start-up date for service was May 25 and the shut-down date was October 30, 1987.

The M.V. Edgar Wood was leased to Channel Area Community Services Inc. of Princess Harbour and Bloodvein, with an operational grant of $66,000. Service was provided from the end of P.R. No. 234 to Princess Harbour and Bloodvein. The start-up date for service was May 14 and the shut-down date was October 16, 1987.

The C.F. James Apetagon, operated by the Department, provides access across the east branch of the Nelson River for traffic on P.R. No. 373, to and from the community of Norway House. The start-up date for service was April 27 and the shut-down date was November 19, 1987.

The C.F. Ingemar Carlson was leased to the Matheson Island Community Council with an operational grant of $35,132.26. Service was provided from the end of P.R. No. 234 to Matheson Island. The start-up date for service was April 14 and the shut-down date was December 1, 1987.

The C.F. Alfred Settee Sr., operated by the Department, provides access across the Nelson River at the Pipestone Lake crossing to the community of Cross Lake. The start-up date for service was April 15 and the shut-down date was December 16, 1987.

The C.F. Thomas A. McIvor was not in service throughout the 1987 season due to the completion of a new bridge at Cross Lake. This cable ferry will be dry docked in 1988/89 pending its reassignment to an area of need at a future date.

Thousands of rural Manitobans have used handivans, such as this, under the Province's Program for Transportation of the Mobility Disadvantaged in Rural Manitoba.

Transportation Policy and Research

The Transportation Policy, Programs and Research Division is concerned with transportation policy, research, planning and coordination. The Division handles federal and interprovincial liaison and advises other government departments and agencies on transportation matters.

The Division participates in government committees dealing with urban transportation, energy conservation, rail rationalization, deregulation, transportation of the handicapped, statutory grain rates, physical distribution and transportation statistics. The staff are active on transport related boards, councils and associations and have been involved with the Canadian Transportation Research Forum, the Roads and Transportation Association of Canada, and the Western Transportation Advisory Council.

The staff evaluate federal transportation policy, programs and research including related agreements, studies and legislative activities. They also respond to requests for information from the transport industry and the general public.

The Division is organized into four branches: Transportation Sub-Agreements, Transportation Research, Transportation Programs, and Transportation Policy.

SUB-AGREEMENTS

The Transportation Sub-Agreements Branch is responsible for implementing of two federal-provincial agreements - the Churchill Sub-Agreement, focussing on Churchill as a major Canadian port and northern resupply centre, and the Transportation Development Sub-Agreement, aimed at promoting the development of Manitoba's transportation industry.

The two sub-agreements signed on April 13, 1984 total $240 million and run until March 31, 1989. Some of the accomplishments of the Sub-Agreements are as follows:

Churchill

Boxcar Rehabilitation

A $6 million boxcar rehabilitation program involving 339 cars was completed in 1985. The ministers agreed to an $18 million program to rehabilitate 950 cars at the Transcona shops during 1987. A further 630 cars will be rehabilitated during 1988/89 at a cost of $11.5 million. The objective of this program is to ensure that adequate rolling stock is available to carry 750,000 tonnes to Churchill.

Lightweight Grain Car

A lightweight grain car was designed to replace the aging boxcar fleet. A prototype was built and tested. Although an economic analysis completed by CN could not find fault with the car's performance they have not recommended its production due to financial limitations.

Port Improvements

The new tug, the H.M. Wilson, designed to serve the Port of Churchill, became fully operational towards the end of the 1986 shipping season.

The berth at the Port of Churchill has been deepened from 10 meters to 11.6 meters. The dredging was completed during the summer of 1987.

Design of a dust control system for the grain elevator has been completed. The initial phase of the project will be carried out in fiscal years 1988/89 and 1989/90.

Churchill Studies

The following studies were conducted under the Churchill Sub-Agreement:

- Grain Shipping Cost
- Season Extension
- Additional Commodities
- Resupply Operations
- Transportation and Tourism

The studies took a positive position on Churchill as a grain port and were released jointly by the federal and provincial ministers on November 6, 1986.

DEVELOPMENT

Transportation Analysis

The following studies were completed; focussing on:

1. Highway Impact Study
2. Seatbelt/Helmet Study
3. East of Lake Winnipeg Study
4. Monitoring Analysis and Planning System Study
5. Multimodal Terminal Study

Transport Institute

The $15 million Transport Institute building at the University of Manitoba was officially opened in May 1987.

Transportation Industry Development Advisory Committee (TIDAC)

The Committee is examining ways of promoting and developing Manitoba as a major transportation related industry centre over the long term.

Highway Infrastructure Improvements

The $16 million highway infrastructure improvement program, designed to improve safety on Manitoba highways, has been completed.

Railbus

For eight weeks during the summer of 1986 and four weeks in late winter of 1987, the railbus carried passengers between Thompson, Thicket Portage and Pikwitonei. The railbus service was a valuable supplement to the three return trips per week by regular VIA Rail train. The passenger carrying demonstration was terminated in late March, 1987, by VIA Rail and Transport Canada.

CN Station

General improvements to the CN station have been completed. This includes repairing of the north parking lot, concrete work, fencing around some of the tracks, painting of the dome inside the station and an improved lighting system in the parking lot.

RESEARCH

The Transportation Research Branch provides economic research and technical analysis of transportation issues affecting the Province.

Studies included:

- An evaluation of the effectiveness of seatbelt and helmet use legislation in Manitoba. It revealed increased use of both and estimated that 39 to 57 lives were saved by using seatbelts. It also found that no deaths could be attributed to the use of helmets.

- An analysis of the costs and benefits of increasing truck size and weight limits on Manitoba highways.

- A study of possible cost-effective improvements to the transportation system serving communities east of Lake Winnipeg.

- Participation in a review conducted by the National Transportation Agency into the cost of hauling grain by rail and the treatment of deferred taxes given a decrease in corporate tax rates. The branch also participated with Ontario, Saskatchewan and Alberta in the National Transportation Agency Costing Review of CN service.

- Additional research activities included an analysis of the socio-economic impact of extending the runway at Red Sucker Lake Airport and developing, with other provincial departments, a plan for using funds from the Western Diversification Initiative to strengthen Manitoba's transportation sector.

Long term research activities included a study to identify problems facing the taxicab industry in Winnipeg and, if warranted, to suggest a more effective regulation of the industry. A study was also conducted to assess the impact of free trade on transportation through Manitoba.

PROGRAMS

During the 1987/88 fiscal year the Physical Distribution Program held five workshops - three on inventory management and two on the transportation of raw materials and finished goods. The overbooked workshops were attended by 121 people from 86 firms.

The P.D. Program also organized the fourth annual Shipper/Carrier Conference which attracted 191 participants from 139 businesses interested in learning about the transportation services available to firms in Manitoba.

The Technical Assistance Program provides technical transportation information and assistance to industry, the public and other government departments and supports projects undertaken by the Transportation Division. Its information helps identify Manitoba as a preferred location for business.

Technical information and assistance rendered to 71 clients had some positive results, such as:

- Significant reductions in rate increases charged northern Manitoba residents following the transfer of CN Route to Route Canada. Refunds were sought to recover any overcharges for about 30 northern Manitoba customers.

- Information on transportation options and costs was provided to a southern Manitoba packing firm to help them prepare a proposal for shipping fresh meat products to Japan.

- Information was also provided to a northern Manitoba community indicating the best means of transporting their fish products to market without risking quality.

The Southern and Northern Manitoba Airport Assistance Programs provide grants to municipal airport commissions to assist them in the safe operation of their airports. These are increasingly being used as bases for the aerial application of pesticides required by Manitoba farmers.

The Program for Transportation of the Mobility Disadvantaged in Rural Manitoba provides three types of grants to municipal governments that have agreed to sponsor a transportation service for the mobility disadvantaged. The grants include a $6,000 start-up grant, a capital grant based on 50 percent of the cost of a capital asset up to a $10,000 maximum, and an operating grant of 37 1/2 percent of gross operating expenses to a maximum of $20,000.

The program serves 33 communities in a population catchment area of 193,000 people, representing 44 percent of the total population of rural Manitoba.

In 1987, a total of 101,085 trips were made transporting mobility disadvantaged persons over 463,000 kilometres. This represents an increase from the previous year of 28 percent in the number of trips and 10 1/2 percent in the number of kilometres travelled.

One-third of the trips were to transport people to school and work. Trips for adult day care programs and medical appointments accounted for another third, while the remaining third were for other purposes, such as shopping, business, recreation and visiting. Seventy-four percent of all the trips provided under the program involved the transportation of persons 65 years of age and older.

In 1987 the cost for all 101,085 trips taken averaged $7.12 each. This compares favourably with the $20 cost in urban centres and is largely due to the significant volunteer component in rural operations.

Manitoba persuaded Transport Canada to design and construct a multi-purpose vehicle, for use as either a handivan or for emergencies. It was given to Manitoba which turned the vehicle over to the R.M. of Minitonas free of charge as part of a demonstration project.

POLICY

The Transportation Policy Branch is responsible for implementing policy respecting both freight and passenger service, improving the quality and effectiveness of transportation, and evaluating federal transport policy initiatives and related agreements, studies, and legislative activities.

The branch is also responsible for developing briefs and submissions for presentations to federal boards and commissions, assisting intervenors in preparing for hearings, participating in public hearings and generally defending provincial interests in transportation. The range of these activities is illustrated in the following examples.

Submissions were filed with the National Transportation Agency regarding the discriminatory application of variable grain rates. Efforts continued towards minimizing costs of moving Manitoba grain through the St. Lawrence Seaway system and ensuring continuity of service.

The province and rail retention groups managed to convince the federal government of the need to provide low cost and reliable means of transporting grain and forest products in the Arborg/Poplarfield/Fisher Branch area. As a result, the federal government is funding an off-track elevator demonstration project which involves shipping grain by commercial trucks from elevators at Fisher Branch and Broad Valley to Arborg for final shipment by rail. This saves grain producers the cost of long farm truck hauls to the Arborg elevators.

The branch provided cost estimates relating to the economic impact of rail line abandonment on provincial roads to the Liebfried Subcommittee of the Senior Grain Transportation Committee which is studying alternatives to six high cost branch lines on the prairies.

The Branch worked closely with air carriers and the community of Flin Flon to prevent Transport Canada from narrowing the Flin Flon airport runway.

The Policy Branch provided ministerial briefing notes and background reports, coordinated action by various departments on transportation policy, formulated position papers, identified existing and future problems in transportation, and interpreted federal transportation legislation and policies.

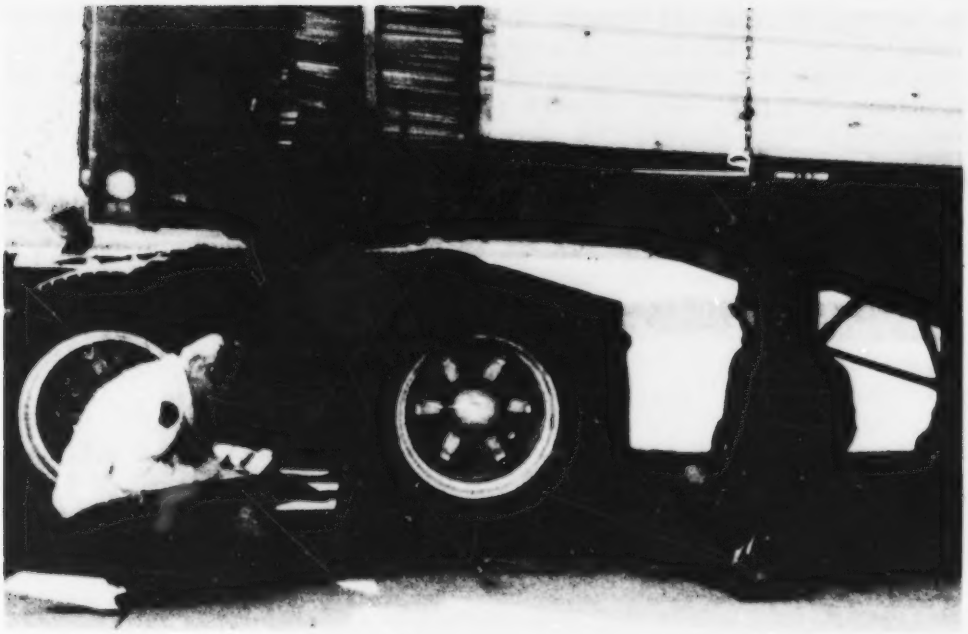
The Branch continued to press for improvements to the Western Grain Transportation Act to reflect producer, community and provincial needs. It also defended the Province's interest with respect to international maritime agreements on trade, development and exemptions for liner conferences from combined legislation and liability for damages.

Manitoba registered concern with the federal government regarding the new transport legislation and continued to work with other jurisdictions and federal agencies in the development of related initiatives such as inter-switching rules, air programs, and redress procedure. Assistance was provided to shippers regarding adjustments to the new regulations.

The Branch assisted in the introduction of the amended highway weight and dimension regulations which will benefit both shippers and the trucking industry.

The Province intervened in support of appeals by the Western Canola Crushers to maintain rail rates and routings essential to their long term viability.

The Committee of Western Transportation Officials was reactivated to address issues of common interest and concern. Manitoba is chairing the committee. A major project was the development of a responsible rail rationalization proposal which would encourage the development of a more efficient and lower cost system and fully compensate the losers in any abandonment proceeding. Grain producers would also benefit from lower freight rates.



Vehicle Standards Officers conduct a full mechanical inspection at the Emerson Weigh Scale.

Driver and Vehicle Licencing

The Division administers driver licencing, motor vehicles registration and driver and vehicle related safety programs.

LICENCING

Total active drivers in 1987 numbered 629,298 while suspended drivers numbered 24,524.

The Dealer Section, under the jurisdiction of the Licencing Directorate licences automobile dealers, salesmen, and automobile wreckers.

During the year 1987, there were 4,511 dealer plates and 692 dealer permits issued.

The Information Centre maintains an information retrieval system for vehicle registrations and driver's licences.

VEHICLE REGISTRATION PROGRAM

The Vehicle Registration Program registers and licences motor vehicles, trailers and snowmobiles.

The Single Application for Vehicle Registration Project will allow the plate jurisdiction to issue a single cab card for proportionally registered vehicles rather than have the carrier apply to each province individually. The planned implementation date is July 1, 1988.

Vehicle registrations in 1987 numbered 834,792, commercial vehicles 45,385 and dealer and repairer registrations 4,477. Motorcycle registrations in 1987 numbered 16,798.

MOTOR VEHICLE INSPECTION PROGRAM

The Motor Vehicle Inspection Program, under which truck tractors are inspected semi-annually, and semi-trailers annually, commenced on May 1, 1987. In this program, inspections are carried out by appointed Stations and Certified Shops under the supervision of the Vehicle Standards and Inspections Office. As of December 31, 1987, 15,833 vehicles had been called up for inspection, with 7,130 inspections completed.

Other inspection programs included the inspection of 1,694 school buses, 112 PSV buses, and 108 ambulances by the DDVL Vehicle Standards and Inspections Office.

Responsibility for the inspection of passenger cars and light trucks was transferred to the Manitoba Public Insurance Corporation in April, 1987.

Substantial work has been undertaken in 1987 in the Licencing Directorate toward the development of a National Safety Code (NSC). The NSC is designed to establish a comprehensive code of performance standards for the safe operation of all commercial vehicles in Canada. Accordingly, the NSC will establish uniform minimum standards for the examination and licencing of drivers; uniform criteria for information to be contained in driver records, including training qualifications, accident reports and traffic law violations, medical qualifications, and provisions for the availability of such information to drivers and their employers. The planned implementation date of the NSC is 1991.

SAFETY DIRECTORATE

DRIVER TESTING

The Driver Testing Section examines applicants to determine whether they have the skill and ability to operate a motor vehicle safely.

In 1987, there were 43,643 road tests administered in the Original Testing Program and an additional 3,376 road tests given as part of the Division's Driver Improvement Program. Total written and oral knowledge tests administered in both programs numbered 92,450.

DRIVER RECORDS AND SUSPENSIONS

The Driver Records and Suspensions Section maintains accurate, up-to-date records on all Manitoba drivers. These records form the base for the Division's Provincial Driver Improvement Program, and are made available to 5 rural Branch Offices, 11 Mobile Units, and Manitoba Public Insurance Corporation, the courts, law enforcement agencies and members of the public.

The section is also responsible for notifying drivers of suspensions imposed, and the requirements for regaining their licence upon serving their suspension.

DRIVER IMPROVEMENT AND CONTROL

The Driver Improvement and Control Section attempts to identify accident and conviction-prone drivers and to assist them in improving their driving habits and attitudes. Where control is warranted, the driver may be placed on probation or may be referred for driver examination or a Defensive Driving Course. The course adopted depends on the driver's level of accident conviction involvement.

By monitoring a driver's involvement and by taking appropriate action, the Driver Improvement and Control Section endeavors to make the roadways safer.

Personnel of the Driver Improvement and Control Section are available for information/education talks to groups such as schools, service clubs and other interested organizations.

ALCOHOL AND DRUG ABUSE

The Alcohol and Drug Abuse Section assesses information regarding a driver's use of alcohol and/or drugs.

Drivers convicted of a Criminal Code alcohol/drug related driving offence have been required to complete Impaired Drivers Course. The course is offered by the Alcoholism Foundation of Manitoba and consists of an assessment, educational and/or treatment program.

Where a serious alcohol/drug problem has been identified by physicians, police, courts and family members, a driver may be requested to submit an assessment report from the Alcoholism Foundation of Manitoba or other recognized agency or person engaged in the diagnosis and treatment of chemical dependancy.

Based on the assessment findings and the driver's record, further action may result in cancellation of driving privileges for failing to meet medical standards or a periodic recall. Drivers may appeal the Division's decision to the Licence Suspension Appeal Board or the Medical Review Committee.

In 1987, the Alcohol and Drug Abuse Section processed 4,675 reports. A total of 707 suspensions were issued.

MEDICAL RECORDS

The Medical Records Section assesses a driver's medical fitness to operate a motor vehicle safely.

In 1987, a five-year recall period, Medical Records processed 35,648 medical reports. This resulted in:

- 1,102 driver licence cancellations; 695 to drivers failing to meet medical standards, 407 for failing to comply with specific requirements.

- 1,115 declasses to a lower class of licence; 134 to drivers for failing to meet the medical standards, 981 to drivers for failing to comply.

- 1,722 driver interviews, driver tests completed by a Driver Examiner and driving assessments completed by the Occupational Therapist at the Rehabilitation Hospital were processed.

- 300 Medical Conditional Licences were issued.

SYSTEMS

The Systems and Data Processing Section processes data through proper operating procedures and computer technology.

Automated procedures encompass virtually every major function of Driver and Vehicle Licencing. A highly integrated system supports most operating programs and interacts with external users such as The Manitoba Public Insurance Corporation, police authorities and other government departments. The computer file contains approximately 752,000 driver records.

Information requirements are contained in 138 different computer printed reports and 15 on-line display formats which provide internal and external users with instant access to the data stored on individual drivers or vehicles.

The Division's word processing facilities consist of a Centralized AES Shared Logic System with five terminals, four printers and a central processing plant.

Major accomplishments in the area of systems development in 1987 include:

Development of the Single Application Vehicle Registration System (S.A.V.R.) which will enable inter-provincial motor carriers to meet their registration requirements for all Canadian jurisdictions travelled through. Canada-wide implementation of this system is scheduled for July 1, 1988.

Improvement of the Driver Licencing System to incorporate additional insurance charges collected on behalf of M.P.I.C.

TRAINING

The Training Services Section trains Driver and Vehicle Licencing staff as well as staff of outside agencies utilizing D.V.L.D. forms and information. It also develops and maintains procedure manuals and distributes highway safety information brochures.

In meeting the requirements of the Workplace Safety and Health Act, Training Services is responsible for the development and administration of a Divisional Safety Program.

RESEARCH AND STATISTICS

The Research Section analyzes statistical information relative to the Driver and Vehicle Licencing Division. This is done through studies and through the provision of information and reports to management, government departments, the general public and external agencies.

ADMINISTRATIVE SERVICES

The Administrative Services Section provides an administrative support function to 10 Driver and Vehicle Licencing operating programs and seven branch offices.

FINANCIAL SERVICES PROGRAM

The Financial Services Section collects and distributes Government revenues from licencing and insuring drivers and vehicles. It disburses expenditures incurred by the Driver and Vehicle Licencing Division, maintains financial records for budgetary plans, and provides revenue and expenditure analysis reports to management on a regular basis. A financial support function is also provided to 10 programs within the Driver and Vehicle Licencing Division, seven branch offices, and more than 200 driver licence agents.

A double line of vehicles are inspected at the Headingley Weigh Scale.

Highway Traffic Board

Highway Traffic Board members are appointed by the Lieutenant Governor in Council and are responsible for the administration of the Highways Protection Act, portions of the Highway Traffic Act and portions of the Snowmobile Act.

Highway Traffic Board Members and Staff

The members comprise of a Chairperson, Vice Chairperson and four (4) members.

The staff presently consists of a Secretary, Administrative Officer 1, Administrative Secretary 3 and two Administrative Secretary 2.

Scheduled Agendas, Meetings and Show Cause Hearings

Hearings and meetings were scheduled and held in Winnipeg, Brandon, Dauphin and The Pas as central locations but also have been held in Onanole, Winkler, Virden, Swan River, Shoal Lake, Neepawa, Flin Flon, Thompson and Steinbach, which included on-site inspections and some show cause hearings.

Responsibilities under the Highways Protection Act

In the interests of public safety, the Board determines the location of accesses onto limited access highways and also of adjacent structures.

Accomplishments

Application Fees

A $50.00 application fee was introduced April 1, 1987 to help cover administrative costs.

Anticipated Planned Accomplishments

Control Areas

Manitoba Regulation H50-R1 and subsequent amendments have been consolidated, but require Cabinet approval and translation. This is scheduled for completion by the end of December 1988.

Off-Premise Signage

A new draft policy has been prepared under The Highways Protection Act covering all advertising signs along limited access highways. Public meetings will be scheduled for November 1988 to the end of February 1989.

Responsibilities under The Highway Traffic Act

The Board administers all speed limit regulations, traffic control device regulations, pedestrian corridor locations, municipal weight limit by-laws, amendments to highway classification and bridge restrictions throughout the Province.

Responsibilities under The Snowmobile Act

Due to safety considerations, the Board has not approved any municipal by-laws respecting the use of snowmobiles on or across provincial highways.

The Highway Traffic Board frequently consults with the over 200 municipalities in its jurisdiction. The summary of the Highway Traffic Board's activities is included for a comparision between 1986 and 1987.

Traffic Board Activities (Comparative Study)

I HEARINGS/MEETINGS	1986	1987
Winnipeg	51	59
Brandon	10	8
Dauphin	6	5
Other Locations	6	11
Winnipeg/Brandon/Dauphin/Other (Show Cause)	20	--
Totals	93	83

II APPLICATIONS REQUESTED ADMINISTERED - Under H.P.A., H.T.A., S.M.A.		
Structures and Accesses	502	296
Advertising Signs	283	145
Additions	--	220
Totals	785	661
Speed Limits	133	74
Pedestrian Corridors	15	11
Traffic Control Devices	14	2
By-Laws	2	2
Additions	--	58
Totals	164	147
Routes and By-Laws	--	--
Additions	--	--
Totals	--	--

III PERMITS ISSUED/REQUESTS APPROVED - Under H.P.A., H.T.A., S.M.A.		
Structures and Access	299	312
Advertising Signs	97	121
Totals	396	433
Speed Limits	73	64
Pedestrian Corridors	6	7
Traffic Control Devices	12	2
By-Laws	2	2
Totals	93	75
Routes and By-Laws	--	--

IV APPLICATIONS/REQUESTS - DENIED/CANCELLED - Under H.P.A., H.T.A., S.M.A.

		1986	1987
Structures and Access		32	17
Advertising Signs		55	4
Cancelled		27	25
	Totals	114	46
Speed Limits		14	12
Pedestrian Corridors		3	2
Traffic Control Devices		—	—
By-Laws		—	—
Cancelled		—	4
	Totals	17	18
Routes and By-Laws		—	—
Cancelled		—	—
	Totals	—	—

V APPLICATIONS & REQUESTS DEFERRED

Structures and Accesses		137	85
Advertising Signs		64	52
Speed Limits		44	36
Pedestrian Corridors		3	2
Traffic Control Devices		1	—
Snowmobile Routes		—	—
By-Laws (All)		—	—
	Totals	249	175
VI APPLICATIONS & REQUESTS BROUGHT BEFORE THE BOARD FOR DISCUSSION	Totals	80	61
VII ON-SITE INSPECTIONS	Totals	103	209
VIII REGULATIONS WRITTEN	Totals	146	255
IX REGULATIONS FILED	Totals	16	14
X FILES REQUESTED BY P.U.B.	Totals	11	2

Licence Suspension Appeal Board

The Licence Suspension Appeal Board hears appeals of individuals whose driver's licences have been suspended by the Courts or the Registrar of Motor Vehicles. The Board also hears appeals for suspensions, cancellations or denials of Driving School Permits, Driving School Instructor Permits, Automobile Dealers' Permits and Salesman's Permits.

Public interest and exceptional hardship are the criteria used. The decisions of the Appeal Board are final.

Jurisdictions

Sections 278 and 279 of The Highway Traffic Act provide the authority, jurisdiction and procedures of this Board.

Composition

- The Board consists of a Chairman, Vice-Chairman and 9 Board Members from across Manitoba.

- The Staff at present consists of a Board Secretary, an Administrative Officer, an Administrative Secretary and 2 Clerk Typists.

Hearing Locations

- Winnipeg - Weekly on Tuesday & Thursday A.M. & P.M.
  Wednesday as needed.

- Brandon - Bi-weekly on Thursday A.M. & P.M.

- Dauphin - Monthly on Wednesday A.M. & P.M.

- Beausejour/Steinbach - Alternating on bi-weekly basis on Wednesday A.M. & P.M.

- The Pas/Thompson - As needed (approximately 4 times a year)

Activities of the Board

- 3,062 applications were received from January 1, 1987 to December 31, 1987.

- 283 half-day hearings were held throughout the Province.

- Decisions were made on 2,784 applications.

- 279 applications were either cancelled, held pending for various reasons, or the suspensions had expired.

General Information

- Waiver of fee was granted in 1 case.

- 2 applications were processed by way of written submissions.

- 858 applicants had made a previous appeal to this Board, 218 had made two previous appeals, 51 had made three previous appeals and 32 had made four or more previous appeals.

- 105 full remissions were granted. 66 of these were applicants who had operated on a restricted driver's licence for 3 years with no further involvement.

- 41.3% of applications processed were for alcohol-related convictions/suspensions.

- Out of 2,784 applications processed, 89.8% were granted restricted driving privileges, 6.4% were denied driving privileges, and 3.8% were granted full remissions.

For complete breakdown of all applications received and processed, see the following statistical charts.

Description of Suspensions

1. Section 264 of The Highway Traffic Act

   Statutory suspensions imposed automatically on Criminal Code of Canada convictions.

   Specific convictions referred to in this report will be Impaired Driving, Refusal to Submit to a Breath Test and Operating a Motor Vehicle with Blood Alcohol Content Over .08.

   The heading "264 H.T.A. Other" includes such convictions as Dangerous Driving, Leave the Scene of an Accident, Criminal Negligence and Driving while Disqualified.

2. Section 273 of The Highway Traffic Act

   Suspensions imposed by the Registrar of Motor Vehicles on review of driving record.

3. Sections 264 & 273 of The Highway Traffic Act

   Combination of No. 1 and No. 2.

4. Section 24-13 of The Highway Traffic Act

Suspensions imposed by the Registrar of Motor Vehicles to a probationary driver involved in accidents and/or convictions.

5. Section 167 of The Highway Traffic Act

Out-of-Province suspensions.

6. Court Suspensions - Highway Traffic Act

Suspensions imposed by the Courts on Highway Traffic Act convictions.

7. Refusal to Issue by Registrar

Refusal to issue Driving School Permits, Instructor Permits, Automobile Dealers' Permits and Salesman's Permits by the Registrar of Driver & Vehicle Licencing.

SUMMARY OF APPLICATIONS

Total Applications Received - 3,062
Total Hearings Held - 283

Disposition of applications by types of suspension:

(1)	Section 264 Highway Traffic Act		
	Restricted remission	1,034	
	Full remission	102	
	Applications denied	87	
	Sub Total		1,223
(2)	Section 273 Highway Traffic Act		
	Restricted remission	1,369	
	Full remission	3	
	Applications denied	82	
	Sub Total		1,454
(3)	Section 264 & 273 Highway Traffic Act		
	Restricted remission	12	
	Full remission	0	
	Applications denied	3	
	Sub Total		15
(4)	Section 24-13 Highway Traffic Act		
	Restricted remission	78	
	Full remission	0	
	Applications denied	6	
	Sub Total		84

(5)	Section .67 Highway Traffic Act		
	Restricted remission	7	
	Full remission	0	
	Applications denied	1	
	Sub Total		8
(6)	Miscellaneous		
	Court Suspensions - Highway Traffic Act	0	
	Refusal to issue by Registrar	0	
	Applications cancelled	170	
	Applications pending	51	
	Suspensions expired	56	
	Sub Total		278
	TOTAL		3,062

MEDICAL REVIEW COMMITTEE

The Medical Review Committee provides an appeal procedure for individuals who have had their driver's licence suspended, cancelled, declassed or refused a licence because of medical reasons.

The Committee determines whether the standards as set out by the Canadian Medical Association and Manitoba Regulation 61/75 and 20/85 are applied in a fair and equitable manner and whether an exception to the rule may be made. The Committee may confirm, quash or vary the decision of the Registrar of Motor Vehicles and decisions made by the Committee are final.

Jurisdiction

Section 157(4) to 157(8.1) of The Highway Traffic Act provide the authority, jurisdiction and procedures of The Medical Review Committee.

Composition

The Committee consists of a Chairperson (General Practitioner), 4 members specializing in Cardiology, Neurology, Ophthalmology, and Alcohol and Drug Addiction, and a Lay Member (Nurse). There are 4 Alternate Members that can be used in the absence of any Committee Member.

Hearing Location

The Medical Review Committee holds hearings in Winnipeg only. Hearings are scheduled as needed and are attended by the Chairperson, the Specialist and a Lay Member to form a quorum.

Activities of the Committee

- 149 applications were received from January 1, 1987 to December 31, 1987.

- 37 of these applications were for Cardiology.

- 67 of these applications were for Neurology.

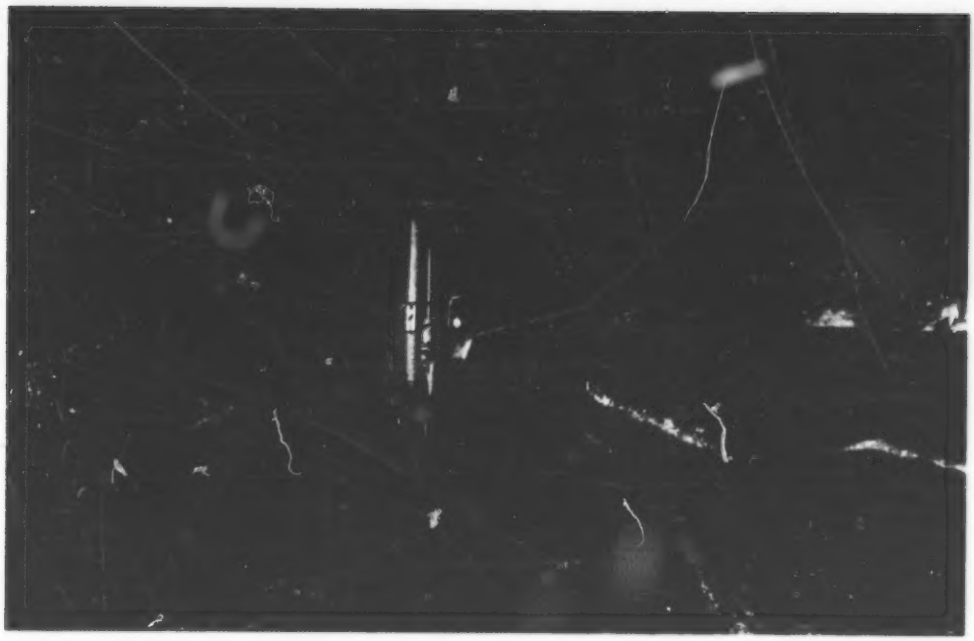
- 37 of these applications were for Ophthalmology.

- 8 of these applications were for Alcohol & Drug Abuse.

- 22 hearings were held.

- Waiver of fee was granted for 3 applications.

Statistical information may be found in Tables No. MV1, MV2, MV3, MV4 and MV5.



Manitoba's extensive winter road network ensures heavy truck transport of goods to and from dozens of remote communities located hundreds of miles from any highway.

Motor Transport Board

Constituted under Section 326 of the Highway Traffic Act, the Motor Transport Board is responsible for regulating motor carriers both intra and extra-provincially. The Board regulates intra-provincial motor carriers under the authority of Part VIII of the Highway Traffic Act. The Board's authority to regulate extra-provincial motor carriers under the authority of Part VIII of the Highway Traffic Act is delegated by the Motor Vehicle Transport Act (Canada) 1987 which came into force 1 January 1988.

In executing its role, the Board controls entry into the for-hire truck and bus industry on an intra and extra-provincial basis, and sets transportation rates and charges intra-provincially. It also establishes minimum insurance and fidelity requirements and generally supervises carriers' operations for the protection of the public.

Goals and Objectives

(a) To maintain a pro-active regulatory system for the supervision of motor carriers that protects and assists shippers and consignees in the transportation of their goods, and that is responsible, flexible and objective as it relates to motor carriers.

(b) To maintain an effective and efficient motor carrier system intra-provincially for the benefit of producers and consumers by ensuring a proper degree of competition within a regulated system.

(c) On an extra-provincial basis, to ensure that entry of further competitors will not likely be detrimental to the public interest, to facilitate an orderly transition to deregulation to maximize the net benefits of the changes.

(d) To ensure that the laws, regulations, rules and policies governing motor transport in, into, out of and through Manitoba are realistic and practical, yet of sufficient substance to allow for effective enforcement when necessary.

(e) To develop a provincial transport strategy to ensure that adequate and ecomomic transportation services are available to all Manitobans.

(f) To ensure that the health and viability of intra-provincial motor carrier operations are maintained.

The national nature of transportation services has made it imperative for continuing liaison and cooperation between the Provinces and the Federal Government. This is facilitated by the Canadian Conference of Motor Transport Administrators (CCMTA), which is responsible to the Council of Ministers for transportation and highway safety. The CCMTA has 4 standing committees, each responsible for Driver & Vehicle Licencing, Motor Carriers, Traffic Safety and Compliance & Regulatory Affairs.

The Board is actively involved in the Standing Committee on Motor Carriers and has enjoyed a high national profile since 1975. This Committee has undertaken a continuing program to reduce administrative barriers respecting transportation by developing uniformity in regulatory practices throughout Canada, and to encourage the flow of goods and transportation services with the United States of America for the betterment of shippers, consumers, and carrier communities.

During the 1987/88 Licence Year, the Board approved and implemented a number of significant policies:

1. Guidelines were established to describe the matters considered by the Board in determining whether or not to approve the transfer of an operating authority Certificate under provisions of the Highway Traffic Act.

2. A policy statement was issued to clarify and make more widely known matters the Board considers in determining whether to accept late filing of opposition.

3. Guidelines were published for the administration of the entry standards contained in the Motor Vehicle Transport (Canada) 1987, as recommended by the Standing Committee on Motor Carriers of the Canadian Council of Motor Vehicle Administrators.

4. New Fitness Criteria was established, relative to the fitness of an applicant to hold an Operating Authority, other than a licence to operate an extra-provincial truck undertaking.

5. The Chairman had significant involvement in consultations respecting the Motor Vehicle Transport Act (Canada) 1987.

Other achievements of significance in the same 1987/88 Licence Year, included:

1. New annual safety inspection requirements for Inter-Municipal Liveries.

2. Major revisions to the Board's Rules of Procedures to facilitate implementation of the Motor Vehicle Transport Act (Canada) 1987.

3. Board Chairman, Mr. Don Norquay, published a comprehensive explanation of the Motor Vehicle Transport Act (Canada) 1987, in a paper titled "Some Answered Questions..."

4. Board Chairman was a principal participant in extensive planning, at the provincial level, for the implementation and administration of the National Safety Code.

5. Board Chairman negotiated improvements and simplification in the licencing, taxation, and compliance provisions of the North Dakota/Manitoba Reciprocity Agreement.

6. Public inquiry regarding livestock transport.

7. Final private carriage and intercorporate hauling regulations.

8. Authorship of National Policy and Procedural Guidelines for the Administration of the MVTA, adopted by Canadian Council of Motor Transport Administrators, October, 1987, and adopted by the Board, by way of policy statement November, 1987.

9. Substantial adoption of our insurance requirements nationally, January, 1988.

10. Provision of advice to Government regarding proposed Free Trade Agreement with the U.S.

11. Consultive study recommending a new Tariff of Maximum Tolls for intra-provincial transport of goods, and consultations in this regard.

ACTIVITIES OF THE BOARD

The Motor Transport Board holds regular Public Hearings in the Board Room at 202 - 301 Weston Street, Winnipeg, Manitoba, commencing at 9:30 A.M. on every available working day through each week of the year.

Summary of Application Hearings

The Motor Transport Board scheduled 87 Public Hearings (some of which were cancelled, postponed or withdrawn for various reasons) to deal with 356 Public Service Vehicle applications, which were resolved as follows:

Approved	290	(81.5%)
Declined	3	(0.8%)
Withdrawn	9	(2.5%)
Cancelled	7	(1.9%)
Postponed	1	(0.3%)
Dismissed	0	-
Pending	2	(0.6%)
Certificates Cancelled	44	(12.4%)
	356	

Within the 356 applications, 208 were Federal Carrier applications seeking extra-provincial operating authority. In its capacity as a Provincial Transport Board under the authority of the Motor Vehicle Transport Act (Canada), they were resolved as follows:

Approved	197	(95.2%)
Declined	1	(0.5%)
Withdrawn	5	(2.4%)
Cancelled	4	(1.9%)
Postponed	1	(0.5%)
Pending	0	-
Dismissed	0	-
	208	

The Board also held 51 Board General Meetings at which 222 applications for unopposed and transfer applications, and entry designated commodity applications were reviewed and approved. Fifty extension designated commodity applications, which required no hearing or review were also issued by the Board. Three applications were approved for Intercorporate Exemption Certificates.

Due to reforms to the regulation of extra-provincial trucking which became effective January 1, 1988 with the coming into force of the Motor Vehicle Transport Act (Canada), 1987, significant workload fluctuations have occurred at the Board. In anticipation of the reforms and shortly after their coming into force, significantly fewer applications than normal were filed. After a couple of months under the new Act, a flood of applications were received.

It is anticipated that as public hearings are scheduled throughout 1988 and 1989, the workload of Board Members will increase substantially, to record levels, and will continue at such levels for perhaps a year, as applicants test the limits of the new entry standard. After a year or so, the workload will likely lessen somewhat, as the Board's attitude becomes better known by both applicants and respondents. At the end of the "reverse onus" transition period in 1993, the Board's work will shrink noticeably.

Summary of Show Cause Hearings

	1987
Hearings Scheduled	94
Hearings Held	80
Hearings Cancelled	74
Failed to Appear	9
Hearings Not Yet Held	-
Revocations	9
Reprimands	11
Total Fines	$45,300
Total Costs	4,800
Total Fines & Costs	$50,100

Vehicles Registered

Vehicles Base Plated In Manitoba	1986/87	1987/88	+/-
PSV Trucks	4,046	5,172	+1,126
PSV Quarterly	413	411	- 2
PSV Trailer	26	28	+ 2
PSV Driveaways	63	49	- 14
Commercial Trucks	21,512	24,099	+2,587
Commerical Trucks Quarterly	1,384		
Commercial Trailers	974	1,075	+ 101
Commercial Driveaways	17	21	+ 4
Passenger Buses	171	161	- 10
Inter-Municipal Liveries	776	779	+ 3
	29,382	31,375	+2,413

Vehicles Registered Under Canadian Agreement on Vehicle Resistration

1. Manitoba Based

Commerical (CT)	781	716	- 65
PSV	2,682	3,108	+ 426
U-Drive	98	357	+ 259
	3,561	4,181	+ 620

2. Out-Of-Province Based

Commercial (CT)	1,592	1,325	- 267
PSV	6,770	7,141	+ 371
U-Drive	314	382	+ 68
	8,676	8,848	+ 172

Revenue

I Public Service Vehicles	86/87	87/88	+/-
1. PSV Trucks, Trailers, Driveaways			
* Manitoba Based	$ 2,953,566	$ 3,544,693	$ 591,127
* Weight Increase	34,510	32,363	- 2,147
* Change of Vehicle	2,293	3,847	1,554
* Out-of-Province	1,179,538	1,344,871	165,333
	$ 4,169,907	$ 4,925,774	$ 755,867
2. PSV Passenger Buses			
* Manitoba Based	37,215	38,110	895
* Change of Vehicle	4	6	2
* Out-of-Province	1,320	798	- 522
	$ 38,539	$ 38,914	$ 375
II Commercial			
1. Commercial Trucks, Trailers, Driveaways			
* Manitoba Based	3,255,598	3,554,346	298,748
* Weight Increases	17,919	26,656	8,737
* Change of Vehicle	2,860	6,984	4,124
* Out-of-Province	231,966	205,548	-26,418
	$ 3,508,343	$ 3,793,534	$ 285,191
III Liveries			
1. Country Liveries	11,366	12,382	1,016
* Change of Vehicle	15	30	15
	$ 11,381	$ 12,412	$ 1,031
2. City Liveries	24,135	27,044	2,909
* Change of Vehicle	102	33	- 69
	$ 24,237	$ 27,077	$ 2,840

IV Miscellaneous	86/87	87/88	+/-
1. Single Trip Permits	$ 415,276	$ 353,384	- 61,892
2. Single Trip Designated Commodities		26,980	--
3. Transit & Breakdown Permits	1,319	1,410	91
4. Limited Permits	9,300	8,852	- 448
5. Manitoba Administration Fees	33,954	40,136	6,182
6. C.A.V.R. Administration Fees	86,191	88,445	2,254
7. Filing & Hearing Fees	173,315	153,692	- 19,623
8. Operating Authority Fees	3,200	56,202	53,002
	$ 724,545	$ 729,101	$ 4,556

V Total Revenue Summary			
PSV Trucks/Trailers	4,169,907	4,925,774	755,867
PSV Buses	38,539	38,914	375,603
Commerical Trucks/Trailers	3,508,343	3,793,534	285,191
Inter-Municipal Liveries	35,618	39,489	3,871
Miscellaneous	724,545	729,101	25,215
	$ 8,476,952	$ 9,526,812	$ 1,049,860

Taxicab Board

The Taxicab Board is composed of a member of the Council of the City of Winnipeg, the Chief Constable of the Police Force of the City of Winnipeg and three other persons appointed by the Lieutenant-Governor in Council.

During the fiscal year 1987/88, the Board issued 1,850 taxicab driver licences, 87 licence applications were rejected because the applicants either lacked sufficient knowledge of the City of Winnipeg, were on probation at the Safety Division, after October 27, 1987, failed the Taxicab Driver Training Course or were refused a Character Reference Board or otherwise failed to meet the Board's requirements for a taxicab driver.

The number of taxicabs authorized to operate in the City of Winnipeg remained at 400, as in the previous year. However, the Taxicab Board authorized the licencing of 19 additional vehicles to be used for weddings, funerals, V.I.P. and sightseeing tours, including limousine service from the Winnipeg International Airport to downtown hotels and downtown places of business.

For many years, the Taxicab Board has allowed licenced taxicab operators to add extra taxicabs during the winter holiday season. As a result, there were 80 additional taxicabs operating from December 1, 1987 to February 28, 1988.

In 1987, an additional taxicab inspector was appointed to patrol the streets of Winnipeg.

A taxicab Driver Training Course was implemented October 27, 1987 through the cooperation of the Departments of Environment and Workplace Safety and Health, Driver and Vehicle Licencing and the Taxicab Board and with financial suport from Duffy's Taxi, Unicity Taxi, Manitoba Public Insurance Corporation and the Department of Labour. All taxicab drivers who received their first taxicab driver licence on or after July 1, 1985 are required to take and pass the 18 hour Course prior to June 30, 1988 or their taxicab driver licence will not be renewed.

Summary of Licences Issued:

	1985/86	1986/87	1987/88
Taxicab Business	217	574	627
Drive Yourself Business Licence	104	120	114

ADMINISTRATION SECTION
TABLES A1 THROUGH A14

SUMMARY OF GROSS EXPENDITURES — Table No. A1

Administration and Subsidiary	$ 31,852,560.83
Assistance	5,174,760.62
Construction	87,450,795.51
Maintenance	49,427,893.34
Mechanical Equipment Services	987,988.18
Warehouse Stores	(42,176.28)
Driver and Vehicle Licencing	13,809,133.70
Miscellaneous**	13,790,747.22
Air and Radio Services*	3,033,867.22
Winter Truck Roads	2,759,241.00
Transportation	283,872.97
	$208,528,684.31

**15-8G-99	Recovered from the Department of Finance	$ 6,500,000.00
*15-8D-3	Recovered from Northern Affairs	$ 771,376.08

ADMINISTRATION AND SUBSIDIARY EXPENDITURES

Table No. A2

APPROPRIATION	DIVISION	AMOUNT
15-1A & B	Executive Support	$ 397,272.50
15-1C	Administration Services	546,006.21
15-1D	Financial Services	552,072.51
15-1E	Personnel Services	628,274.04
15-1F	Computer Services	1,156,135.57
15-2C	Operations & Contracts	1,569,507.49
15-2D	Bridge Office	2,369,549.22
15-2E	Traffic Inspection	1,797,589.21
15-2F	District Offices	8,340,450.54
15-3A	Planning & Design	1,950,925.02
15-3B	Surveys & Titles	1,012,601.24
15-4A	Management Services	93,230.76
15-4D-1	Northern Airports	2,440,023.63
15-4E	Marine Services	915,678.35
15-4F	Materials & Research	1,291,565.24
15-4G	Traffic Operations	4,008,512.44
15-4H	Air/Radio Services	1,859,940.12
15-5A-B	Transportation Division	923,226.74
		$31,852,560.83

AIDES TO CITIES, TOWNS, VILLAGES AND UNINCORPORATED VILLAGES AND WORK IN UNORGANIZED TERRITORY

Table No. A3

APPROPRIATION	PURPOSE	AMOUNT
15-8B	Aides to Cities, Towns, Villages and Unincorporated Villages	$1,243,554.69
	Grant equal to 50% of the cost of approved street construction projects.	
15-8C	Work in Unorganized Territory and Disorganized Municipalities	3,931,205.93
	Activity provides for construction and maintenance in Unorganized Territory on 50/50% or 100% basis depending on category of road.	
		$5,174,760.62

CONSTRUCTION

Table No. A4

APPROPRIATION	PURPOSE	AMOUNT
15-8A	Provincial Trunk Highways	$47,720,089.52
	Provincial Roads	35,836,509.50
	Yellowhead Route	3,894,196.49
		$87,450,795.51

MAINTENANCE

Table No. A5

APPROPRIATION	PURPOSE	AMOUNT
15-2A	General Maintenance on Provincial Trunk Highways	$19,890,314.37
	General Maintenance on Provincial Roads	25,961,324.06
	Miscellaneous Expenditures	
	Undistributed Retro-Active Pay	20,511.43
	Vacation & Sick Leave	3,143,511.47
	Maintenance Management	292,208.93
	Maintenance Materials Holding Account	158,223.79
	Administrative Overheads	(38,200.71)
		$49,427,893.34

MECHANICAL EQUIPMENT SERVICES
APPROPRIATION 15-4B

Table No. A6

Other Expenditures)		
Equipment & Tools)	$19,704,430.44	
Building & Storage Yards)		
Sub Total		$19,704,430.44
Less Machine Rentals		(18,716,442.26)
	TOTAL	$ 987,988.18

WAREHOUSE STORES
APPROPRIATION 15-4C

Table No. A7

Other Expenditures	$ 498,259.92	
Purchases	5,436,797.69	
Sub Total		$5,935,057.61
Less Recoveries		(5,977,233.89)
	TOTAL	$ (42,176.28)

DRIVER AND VEHICLE LICENCING

Table No. A8

BOARDS AND COMMITTEES

APPROPRIATION	PURPOSE	AMOUNT
15-6A	Management Services	$ 3,601,091.78
15-6B	Driver Licencing and Vehicle Registration	1,923,647.46
15-6C	Safety	4,466,715.11
15-6D	M.P.I.C. Cost Sharing Agreement	2,571,862.59
15-7A	Highway Transport Board	598,761.25
15-7B	Highway Traffic Board	246,201.63
15-7C	Licence Suspension Appeal Board and Medical Review Committee	229,593.08
15-7D	Taxicab Board	171,260.80
		$13,809,133.70

MISCELLANEOUS EXPENDITURES — Table No. A9

APPROPRIATION	PURPOSE	AMOUNT
15-2G-1 & G-2	Maintenance & Construction	$ 2,029,462.22
15-8D-1B	Gravel Exploration	101,662.80
15-8D-1C	Highway Equipment	295,842.78
15-8D-1D	Water Bomber Contract (CL215)	3,862,528.56
15-8D-1E	Equipment Storage Buildings	855,258.89
15-8D-1F	Improvements to Weigh Scales	113,503.51
15-8D-1G	Ferry Landing Improvements	41,213.65
15-8D-1H	Grants - Mobility Disavantaged	30,000.00
15-8D-1J	Ferries Major Repairs	150,151.42
15-8F-1 & F-2	Bridge Timbers & Materials Stockpiled	(98,705.84)
15-8E-1 & E-2	Purchase Crushed Gravel	(90,170.77)
15-8G-1	Jobs Fund Construction** (Recoverable from Jobs Fund)	6,500,000.00
		$13,790,747.22

**See Table No. A1 (15-8G-99)

AIRCRAFT/RADIO SERVICES
NORTHERN AIRPORTS/MARINE OPERATIONS — Table No. A10

APPROPRIATION	PURPOSE	AMOUNT
15-4D-2	Other Expenditures	$1,317,543.83
15-8D-1A	Minor Improvements to Airports	944,947.31
15-8D-2A	Airport Development * (Recoverable from Northern Affairs)	771,376.08
		$3,033,867.22

* See Table No. A1 (15-8D-3)

WINTER TRUCK ROADS,
CONSTRUCTION AND MAINTENANCE — Table No. A11

APPROPRIATION	PURPOSE	AMOUNT
15-2B-1	Winter Truck Roads	$ 199,185.12
15-2B-2	Winter Truck Roads	2,560,055.88
		$2,759,241.00

TRANSPORTATION POLICY AND RESEARCH — Table No. A12

APPROPRIATION	PURPOSE	AMOUNT
15-5C	Rural Transportation Grants for the Mobility Disadvantaged	$ 283,872.97
15-5D-1A & 1B	Churchill	53,952.14
15-5D-2A	Transport Development***	89,986.54
15-5D-2B	Other Expenditures***	675,878.70
	Sub Total	1,103,690.35
	***Less Recoveries 15-5D-99	(819,817.38)
	TOTAL	$ 283,872.97

FINANCIAL REPORT
YEAR ENDED MARCH 31, 1988
EXPENDITURES

The following pages provide a summary report on Highways and Transportation expenditures in the fiscal year 1987/88, a comparison of actual expenditures to the amount approved by the Legislature for each appropriation and an explanation of significant expenditures to vote variances.

The 1987/88 fiscal year ended with a $2.3 million surplus in comparing actual expenditures to main estimates. The surplus is mainly attributed to a $1.7 million surplus in the maintenance program and $0.5 million surplus in expenditures related to capital assets. Significant expenditure variances are explained at the conclusion of this report.

Further expenditure detail will be found on pages providing program information. Expenditure detail is provided for variance levels as follows:

Size of Total Allotment	Level of Significance
Up to $500,000.00	Over 20%
$500,100.00 to $1,000,000.00	20%
$1,000,100.00 to $5,000,000.00	15%
$5,000,000.00 and over	10% or $2,000,000.00

TABLE NO. A13

EXPENDITURE SUMMARY
BY APPROPRIATION

APPRO. NO.	SERVICE	ACTUAL $	1987/88 ESTIMATE $	VARIANCE $	EXPLANATION NUMBER
15-1	Administration and Finance				
	(a) Minister's Salary	20,531	20,600	(69)	
	(b) Executive Support				
	Salaries	299,035	307,300	(8,265)	
	Other Expenditures	77,706	81,900	(4,194)	
	(c) Administrative Services				
	Salaries	505,726	525,000	(19,274)	
	Other Expenditures	40,281	42,300	(2,019)	
	(d) Financial Services				
	Salaries	485,692	541,100	(55,408)	
	Other Expenditures	66,380	71,600	(5,220)	
	(e) Personnel Services				
	Salaries	535,186	537,900	(2,714)	
	Other Expenditures	93,088	89,000	4,088	
	(f) Computer Services				
	Salaries	704,119	780,200	(76,081)	
	Other Expenditures	452,017	468,700	(16,683)	
	TOTAL 15-1	3,279,761	3,465,600	(185,839)	

TABLE NO. A13

APPRO. NO.	SERVICE	ACTUAL $	1987/88 ESTIMATE $	VARIANCE $	EXPLANATION NUMBER
15-2	Operations and Maintenance				
	(a) Maintenance Program	49,427,893	51,163,900	(1,736,007)	1
	(b) Winter Roads				
	100% Provincial	199,185	100,000	99,185	2
	Shareable	2,560,056	2,502,000	58,056	
	(c) Operations and Contracts				
	Salaries	1,258,448	1,307,500	(49,052)	
	Other Expenditures	311,059	326,000	(14,941)	
	(d) Bridges and Structures				
	Salaries	1,408,386	1,596,600	(188,214)	
	Other Expenditures	83,357	95,400	(12,043)	
	Bridge Maintenance	877,806	804,000	73,806	
	(e) Traffic Inspection				
	Salaries	1,502,945	1,587,200	(84,255)	
	Other Expenditures	294,645	319,000	(24,355)	
	(f) District Offices				
	Salaries	7,376,888	7,515,700	(138,812)	
	Other Expenditures	963,562	923,500	40,062	

TABLE NO. A13

APPRO. NO.	SERVICE	ACTUAL $	1987/88 ESTIMATE $	VARIANCE $	EXPLANATION NUMBER
15-2	Operations and Maintenance (Cont'd.)				
	(g) Other Jurisdictions				
	Gross Expenditures	3,263,356	5,660,000	(2,396,644)	3
	Less: Recoverable from Other Appropriations	(1,233,894)	(3,665,000)	2,431,106	3
	TOTAL 15-2	68,293,692	70,235,800	(1,942,108)	
15-3	Planning, Design and Land Surveys				
	(a) Planning and Design				
	Salaries	1,608,483	1,649,500	(41,017)	
	Other Expenditures	342,442	330,600	11,842	
	(b) Land Surveys				
	Salaries	842,848	874,000	(31,152)	
	Other Expenditures	169,754	166,500	3,254	
	TOTAL 15-3	2,963,527	3,020,600	(57,073)	
15-4	Engineering and Technical Services				
	(a) Management Services				
	Salaries	88,658	119,800	(31,142)	
	Other Expenditures	4,572	5,700	(1,128)	4

TABLE NO. A13

APPRO. NO.	SERVICE	ACTUAL $	1987/88 ESTIMATE $	VARIANCE $	EXPLANATION NUMBER
15-4	Engineering and Technical Services (Cont'd)				
	(b) Mechanical Equipment Services				
	Salaries	6,887,996	7,660,000	(772,004)	5
	Other Expenditures	12,816,434	13,436,400	(619,966)	
	Less: Recoverable from Other Appropriations	(18,716,442)	(21,096,400)	2,379,958	6
	(c) Warehouse Stores				
	Salaries	352,614	419,900	(67,286)	
	Other Expenditures	145,646	141,100	4,546	
	Purchases	5,436,798	7,900,000	(2,463,202)	7
	Less: Recoverable from Other Appropriations	(5,977,234)	(8,200,000)	2,222,766	7
	(d) Northern Airports				
	Salaries	2,440,024	2,597,400	(157,376)	
	Other Expenditures	1,317,544	1,264,400	53,144	
	(e) Marine Services				
	Salaries	509,754	490,000	19,754	
	Other Expenditures	405,925	410,900	(4,975)	
	(f) Materials and Research				
	Salaries	1,159,980	1,372,000	(212,020)	8
	Other Expenditures	131,585	145,000	(13,415)	

TABLE NO. A13

APPRO. NO.	SERVICE	ACTUAL $	1987/88 ESTIMATE $	VARIANCE $	EXPLANATION NUMBER
15-4	Engineering and Technical Services (Cont'd)				
	(g) Traffic Operations				
	Salaries	602,885	617,800	(14,915)	
	Other Expenditures	4,359,619	4,296,600	63,019	
	Less: Recoverable from Other Appropriations	(953,992)	(950,000)	(3,992)	
	(h) Government Air and Radio Services				
	Salaries	3,238,790	3,335,000	(96,210)	
	Other Expenditures	3,745,843	4,012,700	(266,857)	
	Less: Recoverable from Other Appropriations	(5,124,693)	(5,363,300)	238,607	
	TOTAL 15-4	12,872,306	12,615,000	257,306	
15-5	Transportation Policy and Research				
	(a) Salaries	661,114	719,800	(58,686)	
	(b) Other Expenditures	262,113	272,500	(10,387)	
	(c) Rural Transportation Grants for the Mobility Disadvantaged	283,873	366,900	(83,027)	9

TABLE NO. A13

APPRO. NO.	SERVICE	ACTUAL $	1987/88 ESTIMATE $	VARIANCE $	EXPLANATION NUMBER
15-5	Transportation Policy and Research (Cont'd)				
	(d) Jobs Fund				
	Churchill Development	53,952	155,000	(101,048)	10
	Transportation Development	765,865	1,450,500	(684,635)	11
	Less: Recoverable from Jobs Fund	(819,817)	(1,605,500)	785,683	12
	TOTAL 15-5	1,207,100	1,359,200	(152,100)	
15-6	Driver and Vehicle Licencing				
	(a) Management Services				
	Salaries	1,857,094	1,841,000	16,094	
	Other Expenditures	1,743,998	1,743,200	798	
	(b) Licencing				
	Salaries	1,147,245	1,060,400	86,845	
	Other Expenditures	776,402	886,900	(110,498)	
	(c) Safety				
	Salaries	3,935,104	3,522,800	412,304	
	Other Expenditures	531,611	536,200	(4,589)	
	(d) Manitoba Public Insurance Corporation Cost-Sharing Agreement	2,571,863	2,571,900	(37)	
	TOTAL 15-6	12,563,317	12,162,400	400,917	

TABLE NO. A13

APPRO. NO.	SERVICE	ACTUAL $	1987/88 ESTIMATE $	VARIANCE $	EXPLANATION NUMBER
15-7	Boards and Committees				
	(a) Motor Transport Board				
	Salaries	520,186	562,700	(42,514)	
	Other Expenditures	78,576	93,500	(14,924)	
	(b) Highway Traffic Board				
	Salaries	179,649	180,000	(351)	
	Other Expenditures	66,553	50,000	16,553	13
	(c) Licence Suspension Appeal Board				
	Salaries	187,830	206,000	(18,170)	
	Other Expenditures	41,763	60,000	(18,237)	14
	(d) Taxicab Board				
	Salaries	148,466	145,600	2,866	
	Other Expenditures	22,794	20,100	2,694	
	TOTAL 15-7	1,245,817	1,317,900	(72,083)	

TABLE NO. A13

APPRO. NO.	SERVICE	ACTUAL $	1987/88 ESTIMATE $	VARIANCE $	EXPLANATION NUMBER
15-8	Expenditures Related to Capital Assets				
	(a) Construction and Upgrading of Provincial Trunk Highways, Provincial Roads and Related Projects	87,450,796	87,900,000	(449,204)	
	(b) Aid to Cities, Towns and Villages	1,243,555	1,294,000	(50,445)	
	(c) Work in Local Government Districts and Unorganized Territory	3,931,206	4,260,000	(328,794)	
	(d) Acquisition/Construction of Physical Assets				
	Airports Improvements	944,947	166,000	778,947	
	Gravel Pits	101,663	98,000	3,663	15
	Highways Equipment	295,843	317,700	(21,857)	
	Water Bomber Purchase	3,862,529	4,260,800	(398,271)	
	Highway Buildings and Storage Yards	855,259	712,800	142,459	
	Improvements to Weigh Scales	113,503	75,000	38,503	16
	Ferry Landing Improvements	41,213	45,000	(3,787)	17
	Rural Transportation Grants for the Mobility Disadvantaged	30,000	50,000	(20,000)	
	Ferries	150,151	165,000	(14,849)	18

TABLE NO. A13

APPRO. NO.	SERVICE	ACTUAL $	1987/88 ESTIMATE $	VARIANCE $	EXPLANATION NUMBER
15-8	Expenditures Related to Capital Assets (Cont'd)				
	(d) Acquisition/Construction of Physical Assets (Cont'd)				
	Bridge Materials - Purchases	287,818	500,000	(212,182)	19
	Bridge Materials - Issues	(386,524)	(500,000)	113,476	19
	Crushed Gravel - Purchases	2,683,679	3,000,000	(316,321)	
	Crushed Gravel - Issues	(2,773,850)	(3,000,000)	226,150	
	Northern Development Agreement Canada - Manitoba				
	Airport Development	771,376	805,000	(33,624)	
	Less: Recoverable from Northern Affairs	(771,376)	(805,000)	33,624	
	Jobs Fund				
	Churchill Development	6,500,000	6,500,000	-	
	Less: Recoverable from Jobs Fund	(6,500,000)	(6,500,000)	-	
	TOTAL 15-8	98,831,788	99,344,300	(512,512)	
	NET EXPENDITURES	201,257,308	203,520,800	(2,263,492)	

TABLE NO. A13

EXPENDITURE VARIANCE EXPLANATIONS
ACTUALS VS MAIN ESTIMATES

EXPLANATION NUMBER	EXPLANATION
1.	Decreased expenditures due to lower winter maintenance costs as a result of a significant lack of snow in 1987/88.
2.	Increased expenditures for Winter Roads in 1987/88 due to an unbudgeted contribution of $100.0 to the Shamattawa Indian Band to facilitate the construction of a winter road from Gillam to Shamattawa.
3.	The decrease in gross expenditures and recoveries from Other Jurisdictions in 1987/88 is due to a decrease in requests for services from other government departments as shown by the following:

	1987/88 ACTUAL	1987/88 ESTIMATES	OVER (UNDER) ESTIMATES
Gross Expenditures:			
Other Government Departments	1,233.9	3,665.0	(2,431.1)
Third Parties	2,029.5	1,995.0	34.5
Total	3,263.4	5,660.0	(2,396.6)
Recoveries:			
Other Government Departments	1,233.9CR	3,665.0CR	(2,431.1)CR

4.	Decreased salary expenditures due to the position of Assistant Deputy Minister for Engineering and Technical Services being vacant for part of 1987/88.
5.	Decreased salary expenditures in Mechanical Equipment Services due to reduced winter maintenance activities and staff vacancies in 1987/88.
6.	Decreased recoveries for Mechanical Equipment Services are mainly due to lower equipment utilization recoveries as a result of reduced snowplowing activity in 1987/88.

EXPLANATION NUMBER	EXPLANATION
7.	The Department maintains an inventory of frequently used equipment parts and bulk purchased maintenance and construction materials. The value of materials and parts purchased in a given fiscal year generally equals more or less the materials and parts consumed. Actual purchases and recoveries for Warehouse Stores in 1987/88 were less than originally estimated partly due to the full implementation of a computerized inventory control system (A.P.I.M.S.) and reduced equipment utilization.
8.	Decreased salary expenditures in Materials and Research as a result of several staff vacancies in 1987/88.
9.	Decreased operating grants for the mobility disadvantaged in 1987/88 due to the timing of requests from the communities.
10.	Decreased expenditures due to communication and administration program costs under the Churchill Agreement being less than originally estimated for 1987/88.
11.	Decreased expenditures due to operating and program development costs for the Transportation Institute, and the operating costs for the Transportation Industry Development Advisory Committee, the transportation analysis program and the communication program under the Transportation Agreement all being less than originally estimated for 1987/88.
12.	Decreased recoveries from the Jobs Fund due to reduced expenditures.
13.	Increased expenditures in 1987/88 for the Highway Traffic Board due to increased number of hearings being conducted and several regulations being rewritten and reprinted.
14.	Decreased expenditures for the Licence Suspension Appeal Board in 1987/88 due to fewer applications being received, resulting in lower operating costs.
15.	Overexpenditure in Airport Improvements in 1987/88 due to the Department's payment of $800.0 towards the purchase of the God's River Airstrip as approved by Cabinet.

EXPLANATION NUMBER	EXPLANATION
16.	Overexpenditure in Highways Buildings and Storage yards in 1987/88 mainly due to the relocation of the Arborg District Office and emergency roof repairs to the Dauphin Sign Shop.
17.	Increased expenditures in Improvements to Weigh Scales due to capital expenditures under the National Safety Code.
18.	Decreased expenditures for capital grants for the Transportation of the Mobility Disadvantages in rural Manitoba are due to only 3 of the 5 communities identified in the Estimates actually purchased Handi-Vans in 1987/88.
19.	A light bridge program in 1987/88 resulted in lower expenditures and issues for bridge materials.

FINANCIAL REPORT
YEAR ENDED MARCH 31, 1988
REVENUE

The following pages provide a summary report on Highways and Transportation revenue in the fiscal year 1987/88, a comparison of actual revenues to the amount approved by the Legislature for each revenue source and an explanation of significant revenue to vote variances.

The 1987/88 revenue was under the amount budgeted for the year by $8.4 million. There were revenue decreases of $7.1 million in automobile and motor carrier licences and fees, $0.5 million decrease in drivers' licences and Licence Suspension Appeal Board fees and $0.8 million decrease in revenue from Government of Canada. Significant revenue variances are explained at the conclusion of this report.

Revenue detail is provided for variance levels as follows:

Size of Revenue Account	Level of Significance
Up to $500,000.00	20%
$500,100.00 to $1,000,000.00	15%
$1,000,100.00 to $5,000,000.00	10%
$5,000,100.00 and over	5% or $2,000,000.00

TABLE NO. A14

REVENUE SUMMARY
BY SOURCE

SOURCE	ACTUAL $	1987/88 ESTIMATE $	VARIANCE $	EXPLANATION NUMBER
Current Operating Programs:				
Other Revenue:				
(a) Automobile and Motor Carrier Licences and Fees	33,831,297	40,981,700	(7,150,403)	1
(b) Drivers' Licences	7,081,435	7,448,900	(367,465)	2
(c) Licence Suspension Appeal Board	176,680	270,000	(93,320)	3
(d) Municipalities Shared Cost Receipts	1,032,447	835,000	197,447	4
(e) Sundry	1,868,483	1,810,000	58,483	
TOTAL	43,990,342	51,345,600	(7,355,258)	
Government of Canada:				
(1) Refunds for Services	138,927	150,000	(11,073)	
(2) Norway House Airport	193,312	175,000	18,312	
(3) Winter Roads	1,286,622	1,251,000	35,622	
(4) Transportation Agreement	74,763	270,000	(195,237)	5
(5) National Safety Code	9,155	-	9,155	6
TOTAL	1,702,779	1,846,000	(143,221)	

TABLE NO. A14

SOURCE	ACTUAL $	1987/88 ESTIMATE $	VARIANCE $	EXPLANATION NUMBER
Revenues Related to Capital:				
Other Revenue:				
(a) Municipalities Shared Cost Receipts	760,808	925,000	(164,192)	7
(b) Sundry	600,000	700,000	(100,000)	8
TOTAL	1,360,808	1,625,000	(264,192)	
Government of Canada				
(1) Indian Reserve Roads	379,840	375,000	4,840	
(2) Yellowhead Highway Improvement Program	1,862,890	2,553,000	(690,110)	9
(3) Atomic Energy of Canada Ltd.	7,318	-	7,318	10
(4) National Safety Code	43,296	-	43,296	6
(5) Canadian Forces Base Shilo	18,334	-	18,334	11
TOTAL	2,311,678	2,928,000	(616,322)	
TOTAL REVENUE	49,365,607	57,744,600	(8,378,993)	

TABLE NO. A14

REVENUE VARIANCE EXPLANATIONS
ACTUALS VS PRINTED ESTIMATES

EXPLANATION NUMBER	EXPLANATION
1.	Reduced revenue for Automobile and Motor Carrier Licences and Fees is due to the Cabinet decision not to implement the vehicle registration fee increases previously approved that were to be effective March 1, 1988. These fee increases were to generate $8,113.6 and were included in the 1987/88 Revenue Estimates.
2.	Reduced revenue for Drivers' Licences is due to the licence fee increase from $7.00 to $9.00 being implemented September 1, 1987, instead of the estimated date of April 1, 1987.
3.	Decrease in revenue is due to a reduction in the number of applications from suspended drivers to the Licence Suspension Appeal Board. Also, the application fee increase from $50.00 to $65.00 was effective July 1, 1987, instead of April 1, 1987 as originally estimated.
4.	Increased revenue in 1987/88 as a result of more work done for municipalities on a request basis.
5.	Under the Transportation Agreement, the Department pays the federal share of the expenditures for the Transportation Industry Development Advisory Committee (T.I.D.A.C.) and recovers from Canada its share of these expenditures as revenue. In 1987/88, expenditures were lower than anticipated, resulting in decreased revenue.
6.	Details of the National Safety Code Program were made known after the 1987/88 Revenue Estimates were finalized.
7.	Decreased revenue as a result of less work for capital projects done for municipalities on a request basis.
8.	Decreased revenue due to lower expenditures incurred for Manitoba Hydro than originally estimated.
9.	The Canada/Manitoba Yellowhead Improvement Program cost shared expenditures were lower than the original estimate, resulting in decreased revenue from Canada.

TABLE NO. A14

EXPLANATION NUMBER	EXPLANATION
10.	Completion of the program under the 1986/87 Agreement.
11.	A Canada/Manitoba cost shared agreement to improve roads in the vicinity of Camp Shilo was reached after the 1987/88 Revenue Estimates were finalized.

Table No. C1

HIGHWAY CONSTRUCTION SUMMARY
KILOMETRES OF WORK COMPLETED
VARIOUS APPROPRIATIONS

	Grading	Gravel-ling	Base Course	Bituminous Pavement	Asphalt Surface Treatment	Seal Coat	Calcium Chloride	Concrete Pavement
Provincial Trunk Highways (Table No. C2)	210.6	151.7	64.9	190.8	15.0	212.3	27.0	3.6
Provincial Roads (Table No. C3)	219.8	288.0	139.8	26.8	88.5	24.0	1,068.0	-
	430.4	439.7	204.7	217.6	103.5	236.3	1,095.0	3.6

HIGHWAY CONSTRUCTION
PROVINCIAL TRUNK HIGHWAYS
APPROPRIATION 15-8A

Table No. C2

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
1	8650	West Jct. P.T.H. No. 1A - Kemnay - West Jct. P.T.H. No. 10 R.M. of Whitehead, Elton & Cornwallis 8.5 km	Right-of-Way	$ 79,103.10
	8651	Oak Lake - Virden R.M. of Sifton, Woodworth & Wallace 33.8 km	Preliminary Engineering	6,949.78
	8652	Oak Lake By-Pass R.M. of Sifton 5.2 km	Bituminous Pavement	21,979.27
	8653	East of Assiniboine River Valley - P.T.H. No. 1A R.M. of Whitehead 5.3 km	Grade	802,350.96
	8698	P.R. No. 308 - East District Boundary L.G.D. of Reynolds 21.0 km	Seal Coat (21.0 km)	190,505.99
	8699	District Boundary Whiteshell Provincial Park 3.0 km	Seal Coat (3.0 km)	15,674.39
	8700	P.T.H. No. 26 - 10th Street 10th Street East R.M. of Portage la Prairie 2.1 km	Seal Coat (2.1 km)	48,726.36
	8702	East Jct. P.R. No. 250 - 1.5 km East of Oak Lake R.M. of Whitehead & Sifton	Seal Coat (28.0 km)	159,592.55
	8751	P.T.H. No. 5 Westerly R.M. of North Cypress 9.0 km	Bituminous Pavement	896,038.43
	8762	Oak Lake By-Pass R.M. of Sifton 5.4 km	Right-of-Way	446.40
	8785	P.T.H. No. 100 - P.T.H. No. 1W. City of Winnipeg	Manufacture & Install Guide Signs	4,285.27

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
1	8795	West Jct. P.T.H. No. 83 - P.R. No. 441 R.M. of Wallace 16.0 km	Bituminous Pavement (16.0 km)	$ 943,665.86
	8806	Brandon East of First Street - West of 18th Street R.M. of Elton, Cornwallis & City of Brandon 3.0 km	Preliminary Engineering	11,544.02
	8814	P.R. No. 207 (Deacon's Corner) R.M. of Springfield	Intersection Improvements	222,485.45
	8825	P.T.H. No. 100 - Plessis Road R.M. of Springfield 3.7 km	Right-of-Way	41,259.52
	8839	P.T.H. No. 1W at P.T.H. No. 1A R.M. of Portage la Prairie	Illumination Conversion	23,000.00
	8860	Brandon Westerly R.M. of Whitehead, Elton & Cornwallis 8.2 km	Grade (8.2 km) Gravel (8.2 km)	71,820.37
	8866	East Jct. P.T.H. No. 26 - West of Headingley Scale St. Francois Xavier & City of Winnipeg 6.3 km	Bituminous Pavement (6.3 km)	4,565.06
1 & 16	8849	P.T.H. No. 1 & P.T.H. No. 16 R.M. of Portage la Prairie	Preliminary Engineering	9,142.91
2	8673	P.R. No. 244 - West Boundary R.M. of South Norfolk 17.4 km	Right-of-Way	68,491.42
	8770	P.R. No. 240 (at St. Claude) - P.R. No. 244 (at Rathwell) R.M. of Grey & South Norfolk 15.4 km	Bituminous Pavement (15.4 km) Gravel (15.4 km)	1,618,896.38
	8834	P.T.H. No. 10 East - P.T.H. No. 18 R.M. of Oakland & South Norfolk 39.0 km	Grade (39.0 km)	736,800.01

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
3	8649	South Jct. P.R. No. 346 - P.T.H. No. 10 R.M. of Morton & Turtle Mountain 13.0 km	Grade (13.0 km)$ Gravel (13.0 km)	41,467.03
	8694	P.T.H. No. 14 - P.T.H. No. 23 R.M. of Stanley & Roland 20.0 km	Seal Coat (20.0 km)	91,092.06
	8782	East of P.T.H. No. 32 - East Limit of Morden R.M. of Stanley 13.2 km	Preliminary Engineering	8,968.12
	8823	P.T.H. No. 3 at 11th Street Town of Morden	Install Pedestrian Corridor	15,077.69
4	8634	New Red River Crossing R.M. of St. Andrews & St. Clements	Right-of-Way	67,043.30
	8690	West of P.R. No. 508 (East Bridge Approach) R.M. of St. Clements 0.7 km	Grade (0.7 km)	17,429.05
	8691	West of P.R. No. 320 R.M. of St. Andrews 1.3 km	Grade (1.3 km)	118,931.47
	8768	P.T.H. No. 9 Northerly R.M. of St. Andrews & Town of Selkirk 4.2 km	Grade (4.2 km) Gravel (4.2 km)	464,507.98
	8769	P.R. No. 508 - P.T.H. No. 59 R.M. of St. Clements 2.7 km	Grade (2.7 km) Gravel (2.7 km)	418,510.68
5	8654	P.T.H. No. 1 - South of Carberry Industrial Park R.M. of North Cypress 11.0 km	Base Course (11.0 km) Bituminous Pavement (11.0 km)	299,231.06
	8661	W. of Grandview - Valley River Bridge R.M. of Grandview 9.5 km	Bituminous Pavement Gravel	479,948.57

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
5	8663	South of Riding Mountain East of Section 9 & 10-18-15W.	Bridge Detour & Install Bridge	$ 3,128.37
	8683	Vicinity of Timberton Access R.M. of Grandview 0.4 km	Subgrade & Bituminous Surface Repairs	4,994.10
	8727	South Jct. P.T.H. No. 10 - South of South Jct. Dauphin By-Pass 3.4 km	Right-of-Way	1,550.00
	8730	Vicinity of P.T.H. No. 83 in Roblin R.M. of Shell River	Preliminary Engineering	625.92
	8832	Vicinity of Grandview R.M. of Grandview 0.8 miles	Slope Restoration	5,390.21
5 & 10	8729	West of Dauphin - North Jct. P.T.H. No. 10 Town of Dauphin & R.M. of Gilbert Plains 17.4 km	Preliminary Engineering	1,032.48
5 & 10A	8852	P.T.H. No. 5A - P.T.H. No. 10A Town of Dauphin	Install Route Markers	1,628.90
5 & 20A	8660	4th Avenue South - 5th Avenue North R.M. of Dauphin & The Town of Dauphin 0.9 km	Base Course Bituminous Pavement	181,959.32
6	8664	P.R. No. 227 R.M. of Woodlands 1.0 km	Preliminary Engineering	9,685.82
	8685	North of Devils Lake - North of Two Rivers Unorganized Territory 16.1 km	Bituminous Pavement (16.1 km)	1,500,602.30
	8696	km 102.4 - km 123.4 North of P.R. No. 513 Unorganized Territory 20.8 km	Seal Coat	37,865.67

Table No. C2

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
6	8739	South of Devil's Lake - North of Two Rivers Unorganized Territory 32.5 km	Grade Gravel	$ 8,312.59
	8763	Grand Rapids - Northerly Unorganized Territory 24.8 km	Preliminary Engineering	12,707.28
	8766	Grand Rapids - Northerly Unorganized Territory 24.8 km	Grade Gravel	11,354.58
	8776	North & South of Minago River Unorganized Territory 17.5 km	Grade (17.5 km) Gravel (17.5 km)	42,488.65
	8777	South of Minago River - Hargraves River Unorganized Territory 39.3 km	Drainage Improvements	25,268.25
	8778	Ponton - P.R. No. 610 Unorganized Territory 47.3 km	Preliminary Engineering	9,271.79
	8802	Manibridge Mine Access - P.R. No. 632 Unorganized Territory 24.8 km	Bituminous Pavement Gravel	38,733.61
	8803	South Soab Mine Access - Pipe Lake Mine Access L.G.D. of Mystery Lake 35.9 km	Bituminous Pavement Gravel	120,236.92
	8815	Wabowden Access - North Unorganized Territory & L.G.D. of Mystery Lake 13.7 km	Bituminous Overlay Gravel Drainage	46,464.10
	8836	North of Williams River - Minago River Unorganized Territory 188.0 km	Drainage Improvements	70,460.21
	8873	Camper - Grahamdale L.G.D. of Grahamdale & R.M. of Siglunes 43.6 km	Seal Coat	42,003.98

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
6 & 391	8804	Pipe Lake Mine Access - Thompson Airport L.G.D. of Mystery Lake & City of Thompson 42.2 km	Bituminous Pavement Gravel Drainage	$ 126,777.39
7	8642	P.R. No. 229 - North Jct. P.R. No. 231 L.G.D. of Armstrong 29.3 km	Right-of-Way	44,750.17
	8709	P.R. No. 517 - P.T.H. No. 17 R.M. of Rockwood 14.8 km	Right-of-Way	3,816.64
	8710	P.T.H. No. 17 - P.R. No. 229 R.M. of Rockwood 15.8 km	Grade Gravel	5,093.16
	8740	South of P.R. No. 324 - P.T.H. No. 68 R.M. of Bifrost & L.G.D. of Armstrong 12.7 km	Preliminary Engineering	476.19
	8817	P.R. No. 229 - North Jct. P.R. No. 231 L.G.D. of Armstrong 18.2 km	Grade (18.2 km) Gravel (18.2 km)	151,614.08
8	8635	P.R. No. 515 - P.R. No. 229 R.M. of St. Andrews 30.7 km	Right-of-Way	51,846.59
	8662	East of North East 19-23-4E. R.M. of Bifrost	Reinforced Concrete Box Culvert	11,471.33
	8705	Hecla Island Provincial Park: East of Causeway - North East 21-24-6E. Unorganized Territory 10.9 km	Grade (10.9 km) Gravel (10.9 km)	296,884.42
	8742	South Jct. P.R. No. 324 - P.T.H. No. 68 R.M. of Bifrost & Gimli 21.2 km	Preliminary Engineering	1,693.12
	8743	P.R. No. 229 - P.R. No. 324 R.M. of Gimli 23.2 km	Preliminary Engineering	23,934.54

Table No. C2

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
8	8744	P.R. No. 229 - P.R. No. 324 R.M. of Gimli 23.2 km	Right-of-Way	$ 30,639.05
	8753	Thru Hecla Provincial Park: East of Causeway - Gull Harbour Unorganized Territory 28.4 km	Preliminary Engineering	47,965.45
	8758	P.T.H. No. 67 - P.R. No. 515 R.M. of St. Andrews 11.7 km	Grade (11.7 km) Base Course (11.7 km)	1,776,709.62
	8810	Park Gate - Gull Harbour Unorganized Territory & Hecla Provincial Park 22.5 km	Calcium Chloride (22.5 km)	45,886.68
	8822	P.R. No. 229 - Minerva Road R.M. of Gimli 11.6 km	Grade (11.6 km) Gravel (11.6 km)	637,064.99
	8824	Hecla Island Provincial Park - N.E. 21-24-6E. Maintenance Compound 12.3 km	Grade (12.3 km) Gravel (12.3 km)	1,452,805.39
	8840	Vicinity of Timberton Access Road R.M. of Grandview	Sub-surface Drainage	10,860.41
	8861	Hecla Island Provincial Park - N.E. 21-24-6E. Unorganized Territory 10.9 km	Base Course (10.9 km) A.S.T. (10.9 km)	114,725.08
9	8745	South Limit of Winnipeg Beach - P.R. No. 231 R.M. of Gimli 16.0 km	Right-of-Way	300.57
	8746	South Limit of Winnipeg Beach - P.R. No. 231 R.M. of Gimli 16.0 km	Preliminary Engineering	18,190.95
	8830	South of P.T.H. No. 101 - Little Britain Road R.M. of West St. Paul & St. Andrews 18.7 km	Preliminary Engineering	88,998.36

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
9	8831	In Selkirk: CPR Crossings Westerly Town of Selkirk	Reconstruction (Urban Section)	$ 67,162.60
10	8655	P.T.H. No. 10 & P.R. No. 459 City of Brandon 0.5 km	Base Course Bituminous Pavement	3,019.58
	8659	Flin Flon - North Avenue Northerly City of Flin Flon 0.3 km	Grade (0.3 km) Base Course (0.3 km) Bituminous Pavement (0.3 km)	216,776.77
	8682	Bell River - P.R. No. 227 Porcupine Forest Reserve & Unorganized Territory 17.9 km	Base Course (17.9 km) Bituminous Pavement (17.9 km)	1,746,023.01
	8724	Pacific Avenue Loop City of Brandon 0.7 km	Right-of-Way	3,647.68
	8735	Red Deer River - Overflowing River R.M. of Swan River & Unorganized Territory 36.2 km	Preliminary Engineering	7,417.56
	8736	P.R. No. 277 to Red Deer River L.G.D. of Mountain & Unorganized Territory 27.9 km	Preliminary Engineering	1,168.56
	8737	North of Bell River L.G.D. of Mountain	Drainage Improvements	174,597.46
	8764	The Pas: 8th Street - 11th Street Town of The Pas 0.5 km	Preliminary Engineering	4,239.45
	8765	Vicinity of West Bakers Narrows Unorganized Territory 2.6 km	Rock Embankment Base Course	617,379.02
	8807	Assiniboine River Bridge to C.P.R. Overpass City of Brandon 0.8 km	Bituminous Pavement (0.8 km)	424,726.31

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
10	8809	P.R. No. 287 - Atik Unorganized Territory 38.4 km	Seal Coat (38.4 km)	$ 265,803.18
	8850	Section 29-16-18W. R.M. of Minto	Build Detour & Remove Old Bridge	2,153.10
	8869	Minnedosa By-Pass R.M. of Odanah	Seal Coat	14,105.83
	8872	S. Jct. P.T.H. No. 23 - North End District	Seal Coat	27,251.55
	8874	P.T.H. No. 2 - South District Boundary R.M. of Oakland 16.0 km	Seal Coat	8,400.00
10A	8643	Swan River: 2nd Street North - North Jct. P.T.H. No. 10 R.M. of Swan River 3.9 km	Preliminary Engineering	2,356.18
11	8773	P.R. No. 304 - Tamarack Street Village of Powerview, Town of Pine Falls & L.G.D. of Alexander 2.5 km	Base Course (2.5 km) A.S.T. (2.5 km)	35,164.55
12	8712	P.T.H. No. 12 at Townline Road Town of Steinbach	Install Traffic Signals	39,659.48
	8784	North of P.T.H. No. 1 - North Boundary R.M. of Tache 9.4 km	Right-of-Way	1,448.10
13	8870	Elm Creek - North & South R.M. of Dufferin, Grey & Portage la Prairie 36.0 km	Seal Coat (36.0 km)	76,002.17
	8693	P.T.H. No. 75 - P.T.H. No. 30 R.M. of Montcalm & Rhineland 16.7 km	Preliminary Engineering	346.10
	8752	P.T.H. No 75 - P.T.H. No. 30 R.M. of Montcalm & Rhineland 16.7 km	Right-of-Way	2,491.46

Table No. C2

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
16	8684	Vicinity of Minnedosa R.M. of Odanah 23.8 km	Grade (23.8 km) Bituminous Pavement (23.8 km)	$3,137,356.00
16 & 5	8717	Neepawa Westerly R.M. of Langford & Odanah Town of Neepawa 15.3 km	Bituminous Pavement	3,935.57
16 & 617	8749	Vicinity of Newdale R.M. of Harrison 0.5 km	Grade (0.5 km) Bituminous Pavement (0.5 km)	168,013.18
19	8808	P.T.H. No. 5 Riding Mountain National Park R.M. of McCreary 4.5 km	Calcium Chloride (4.5 km)	6,075.09
20	8732	P.T.H. No. 5 - Dauphin Beach R.M. of Ochre River 12.4 km	Right-of-Way	13,948.23
	8845	South Jct. P.T.H. No. 20 - N.E. Corner 14-26-19W. R.M. of Dauphin 13.0 km	Bituminous Pavement (13.0 km)	66,435.08
21	8838	Assiniboine River Bridge R.M. of Whitehead 1.3 km	Bridge Survey Legal Survey Land Acquisition	8,254.64
23	8648	P.T.H. No. 18 - East R.M. of Strathcona 1.6 km	Grade	29,268.70
	8686	Deerwood - P.R. No. 431 R.M. of Thompson & Lorne 14.8 km	Grade (14.8 km) Gravel (14.8 km)	670,505.62
	8775	P.T.H. No. 18 - Easterly R.M. of Strathcona 1.6 km	Base Course (1.6 km) A.S.T. (1.6 km)	120,884.55
24	8747	P.T.H. No. 10 - Rapid City R.M. of Saskatchewan 8.9 km	Seal Coat (8.9 km)	89,282.44

Table No. C2

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
31	8761	At Pembina River Crossing R.M. of Pembina	River Training $ Bank Reinforcement	79,924.31
32	8791	In Town of Winkler South of P.T.H. No. 14 R.M. of Stanley	Culvert Installation	43,026.51
34	8789	U.S. Border - South Jct. P.T.H. No. 3 R.M. of Louise 9.0 km	Base Course (9.0 km) Grade (9.0 km)	563,026.49
39	8658	P.R. No. 392 (Wekusko Jct.) - P.T.H. No. 6 Unorganized Territory 41.8 km	Preliminary Engineering	19,303.46
	8799	Section 4 P.R. No. 392 Unorganized Territory 21.7 km	Bituminous Levelling	40,322.82
	8800	Section 5 P.R. No. 392 Unorganized Territory 33.2 km	Bituminous Levelling	91,720.93
	8805	Section 3 km 55.5 - km 101.5 Unorganized Territory 46.0 km	Bituminous Levelling	196,509.20
39 & 6	8801	Mitishto River - Manibridge Mine Access Unorganized Territory 29.9 km	Bituminous Levelling	79,266.08
41	8669	P.R. No. 545 - Assiniboine River R.M. of Ellice 4.8 km	Right-of-Way	26,026.55
	8708	P.R. No. 545 Assiniboine River R.M. of Ellice 4.8 km	Grade (4.8 km) Gravel (4.8 km)	1,084,777.51
44	8637	P.T.H. No. 59 to West of Garson R.M. of St. Clements 9.0 km	Grade	265,979.28

Table No. C2

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
45	8638	East of P.T.H. No. 59 - West of Garson R.M. of St. Clements & Brokenhead 25.9 km	Right-of-Way	$ 298,321.25
	8639	East of P.T.H. No. 59 - East of Beausejour Access R.M. of St. Clements & & Brokenhead 25.9 km	Preliminary Engineering	23,202.32
44	8767	P.T.H. No. 59 - West of Garson R.M. of St. Clements 9.3 km	Bituminous Pavement (9.3 km)	1,542,893.57
44 & 59	8827	P.T.H. No. 59 at P.T.H. No. 44 R.M. of St. Clements	Manufacture & Install Guide Signs	52,029.73
50	8687	P.T.H. No. 16 - Langruth R.M. of Lakeview & Westbourne 36.2 km	Base Course Bituminous Pavement	2,403,201.65
52	8647	McKenzie Avenue in Steinbach - West Limit of Steinbach 4.0 km	Preliminary Engineering	4,331.50
59	8697	City of Winnipeg Boundary - North of Birds Hill Park R.M. of East St. Paul & St. Clements	Seal Coat	143,525.47
	8701	I.R. 4 - P.T.H. No. 12 R.M. of St. Clements 13.9 km	Seal Coat (13.9 km)	130,056.74
	8707	City Limits - 1 km South of P.R. No. 405 R.M. of Ritchot 15.0 km	Seal Coat (15.0 km)	110,840.96
	8780	North of P.R. No. 201 at Roseau River R.M. of Franklin 0.6 km	Bridge	29,596.39

Table No. C2

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
59	8842	P.T.H. No. 101 - P.R. No. 202 R.M. of East St. Paul	Manufacture & Install Guide Signs	$ 9,714.95
	8876	Southbound Lanes North of Birds Hill Park - P.T.H. No. 101 R.M. of St. Clements & East of St. Paul	Seal Coat	12,991.85
60	8811	km 25.0 - km 40.0 Unorganized Territory 15.0 km	Seal Coat (15.0 km)	101,768.06
67	8665	P.T.H. No. 7 - South Jct. P.R. No. 236 R.M. of Rockwood & Town of Stonewall 6.4 km	Preliminary Engineering	24,001.36
	8688	P.T.H. No. 7 - South Jct. P.R. No. 236 R.M. of Rockwood & Town of Stonewall 6.4 km	Right-of-Way	188,378.79
	8703	P.R. No. 230 - West District Boundary R.M. of St. Andrews 11.0 km	Seal Coat (11.0 km)	91,119.75
	8833	P.T.H. No. 7 - West Jct. P.R. No. 236 Town of Stonewall & R.M. Rockwood 5.6 km	Grade (5.6 km) Gravel (5.6 km)	402,228.68
68	8760	Lake Manitoba Narrows - West L.G.D. of Alonsa 20.0 km	Preliminary Engineering	94,687.45
75	8644	P.R. No. 305 - Morris R.M. of Morris & Ritchot 27.4 km	Preliminary Engineering	18,661.08
	8645	P.R. No. 210 - South of P.R. No. 305 R.M. of Ritchot 16.9 km	Right-of-Way	435,213.95

Table No. C2

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
75	8646	South of P.R. No. 210 - South of P.R. No. 305 R.M. of Ritchot 19.6 km	Concrete Pavement	$1,956,144.98
	8772	South Limit of Winnipeg - P.R. No. 429 R.M. of Ritchot 7.7 km	Right-of-Way	27,069.41
	8816	South of P.R. No. 305 - South of P.R. No. 205 R.M. of Ritchot & Morris 13.2 km	Right-of-Way	404,596.51
	8879	River Lot 429 - River Lot 555 R.M. of Morris & Ritchot 15.2 km	Grade Gravel	463,578.42
77	8788	At Barrows Unorganized Territory	Drainage Improvements	25,968.49
83	8656	South Boundary R.M. of Miniota - P.T.H. No. 24 R.M. of Miniota 9.3 km	Preliminary Engineering	14,565.41
	8674	U.S. Border - South Jct. P.T.H. No. 3 R.M. of Arthur 21.3 km	Bituminous Pavement (21.3 km)	1,269,389.13
	8675	P.T.H. No. 24 - P.R. No. 355 R.M. of Miniota 14.8 km	Preliminary Engineering	2,878.31
	8738	Saskatchewan Boundary - Vicinity of Durban R.M. of Swan River 11.6 km	Base Course Bituminous Pavement	761.88
100	8670	Waverley Street - P.T.H. No. 2 R.M. of Macdonald & City of Winnipeg 9.2 km	Bituminous Pavement (9.2 km) Gravel (9.2 km)	667,982.70

Table No. C2

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
100	8671	South of Wilkes Avenue - Roblin Blvd. City of Winnipeg 3.6 km	Bituminous Pavement (3.6 km) Concrete (3.6 km) Median Barrier	$ 544,949.14
	8759	Interchanges at Portage Avenue & Pembina Highway City of Winnipeg	Landscaping	49,183.13
	8792	At Portage Ave. Interchange City of Winnipeg	Grade	2,883.25
	8821	P.T.H. No. 3 - P.T.H. No. 59 South City of Winnipeg & R.M. of Macdonald 10.6 km	Preliminary Engineering	14,808.70
	8828	Portage Avenue Interchange West of Winnipeg City of Winnipeg	Landscaping	57,437.08
	8829	At P.T.H. No. 75 & P.T.H. No. 100 City of Winnipeg	Landscaping	36,470.21
	8841	Intersection of St. Anne's Road, City of Winnipeg	Dispose of Structures Clean up Site	3,708.54
	8851	St. Marys Road - P.T.H. No. 1 City of Winnipeg & R.M. of Springfield 13.7 km	Preliminary Engineering	33,425.07
100 & 1	8681	P.T.H. No. 1 East at P.T.H. No. 100 R.M. of Springfield	Manufacture & Install Guide Signs	23,633.22
	8706	P.T.H. No. 100 & P.T.H. No. 1W. City of Winnipeg & R.M. of Springfield	Manufacture & Install Guide Signs	4,111.93
101	8672	P.T.H. No. 9 - P.T.H. No. 8 R.M. of West St. Paul 3.3 km	Bituminous Pavement (3.3 km) Gravel (3.3 km)	1,771,433.45

Table No. C2

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
101	8692	P.T.H. No. 101 at P.T.H. No. 9 & P.R. No. 204 R.M. of East St. Paul & West St. Paul	Supply & Install Overhead Sign Lights	$ 11,525.16
	8793	At Jct. of P.T.H. No. 7 R.M. of Rosser	Right-of-Way	568.11
	8794	At Jct. of P.T.H. No. 7 R.M. of Rosser	Preliminary Engineering	15,127.82
	8812	P.T.H. No. 101 at P.R. No. 425 R.M. of Macdonald	Traffic Signal Displays	3,512.47
	8820	P.T.H. No. 15 - P.T.H. No. 59 North R.M. of East St. Paul & Springfield City of Winnipeg 10.9 km	Preliminary Engineering	86,645.97
	8875	Saskatchewan Avenue - Selkirk Avenue City of Winnipeg & R.M. of Rosser 3.6 km	Preliminary Engineering	16,906.22
193	8657	Brandon - East Access R.M. of Cornwallis & City of Brandon	Preliminary Engineering	9,849.87
718	8837	7 km West of P.T.H. No. 10 Unorganized Territory 0.5 km	Grade (0.5 km)	30,968.48
Yellowhead Route				
1 & 16	9811	P.T.H. No. 1 at P.T.H. No. 16	Illumination Signing & Advance Signals	8,510.34
1, 16 & 240	9803	P.R. No. 240, Portage By-Pass City of Portage la Prairie	Preliminary Engineering	110,918.32
16	9800	Vicinity of Binscarth R.M. of Russell 1.0 km	Preliminary Engineering	10,865.68
	9801	Vicinity of Strathclair R.M. of Strathclair	Preliminary Engineering	16,199.22

Table No. C2

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
Yellowhead Route				
16	9802	P.T.H. No. 100 - P.R. No. 250 R.M. of Minto, Saskatchewan & Harrison 24.5 km	Preliminary Engineering	$ 20,828.98
	9805	Vicinity of Gladstone R.M. of Westbourne 3.7 km	Bituminous Pavement (3.7 km)	1,139,141.71
	9806	West of Whitemud River to P.R. No. 352 R.M. of Westbourne & Lansdowne 3.7 km	Bituminous Pavement (19.3 km)	2,359,699.90
	9807	Vicinity of West Jct. P.R. No. 254	Place & Remove Bridge Detour	58,514.08
	9810	Neepawa - Arden Ridge R.M. of Langford 14.8 km	Preliminary Engineering	36,112.28
Miscellaneous				
	8600	Various Highways	Right-of-Way Expenses	18,430.63
	8601	District 1	Engineering Expenses	56,135.55
	8602	District 2	Engineering Expenses	84,350.20
	8603	District 3	Engineering Expenses	11,128.13
	8604	District 4	Engineering Expenses	12,846.45
	8605	District 5	Engineering Expenses	6,110.27
	8606	District 6	Engineering Expenses	30,070.22
	8607	District 7	Engineering Expenses	(965.46)
	8608	District 8	Engineering Expenses	20,478.23
	8609	District 9	Engineering Expenses	1,713.06
	8610	District 10	Engineering Expenses	19,514.52

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
Miscellaneous				
	8611	District 11	Engineering Expenses	$ 19,250.40
	8612	District 12	Engineering Expenses	23,923.00
	8613	Materials Division	Engineering Expenses	37,877.70
	8614	Land Surveys	Engineering Expenses	63,988.56
	8617	Construction Personnel	Training Expenses	48,538.05
	8618	Various Highways	Engineering Audit Survey	56,043.89
	8620	Various Highways	Advertising Highway Projects	47,467.27
	8621	District 1	Surplus Culverts	(17,597.75)
	8622	District 2	Surplus Culverts	(10,226.94)
	8623	District 3	Surplus Culverts	(1,697.46)
	8625	District 5	Surplus Culverts	1,809.13
	8626	District 6	Surplus Culverts	(2,807.16)
	8627	District 7	Surplus Culverts	(2,356.39)
	8628	District 8	Surplus Culverts	3,125.90
	8630	District 10	Surplus Culverts	(110,238.65)
	8631	District 11	Surplus Culverts	(9,711.26)
	8632	District 12	Surplus Culverts	(9,132.33)
	8633	Various Highways	Renumber Routes	10,591.24
	8666	Various Provincial Roads	Manufacture & Install Guide Signs	16,096.71
	8667	Various	Hazard Removal	85,312.49
	8668	Various	Quality Control	(2,380.42)
	8677	Various	Illumination	2,903.04

Table No. C2

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
Miscellaneous				
	8679	Various	Install/Revise Automatic Railway Crossing Protection	$ 413.96
	8680	Various	Install/Revise Automatic Railway Crossing Protection	37,449.53
	8689	Various	Staff Hearing Conservation Program	6,081.11
	8718	Computer Services	Roadway Design Use of Computer	68,124.30
	8719	Computer Services	Software for Computer Program	349,961.08
	8720	Computer Services	Bridge Design System	37,240.00
	8721	Computer Services	Construction Management System	151,960.41
	8750	Various Locations	Install Community Service Signs	50,300.76
	8771	Various	Install Permanent Pavement Markings	8,647.76
	8774	Various	Install Flashers Rumble Strips Delineation	6,107.89
	8779	Various	Manufacture & Install Shareable Cost Signs	(389.67)
	8781	Various	Install Stop for School Bus Signs	6,868.35
	8786	Various	Inspect/Maintain Major Sign Structures	2,030.78
	8787	Various	Modify Traffic Control Signals	46,759.76
	8790	Various	Right-of-Way	926,388.07
	8796	Various	Miscellaneous Guide Signing	7,878.15

Highway No.	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
Miscellaneous				
	8798	Various	Pit Rehabilitation	$ 46,931.66
	8819	1st Street at Brandon Avenue	Install Pedestrian Corridor	16,294.28
	8846	Various Locations	Legal Surveys of Abandoned Railway Property	13,861.44
	8853	Various	Manufacture & Install Information Signs	4,119.60
	8857	Various	Construct & Maintain Signs & Stands	311.92
	8862	Winnipeg	Manufacture Orbit Moulds	7,832.74
	8867	Districts 3 and 4	Purchase Radio Equipment	234,299.76
	8877	Various	Revise Traffic Control Device Manual	2,400.00
	8880	Various	Relocate Hydro Line	8,095.50
	8881	Various	Telephone Line Relocation	69,678.06
		Various Work Orders - Incidental Amounts		720.82
		Bridge Projects (for details see Table No. B1)		5,902,706.42
			*875.9	$51,614,286.01

*Nature of Work completed in km

Bituminous Pavement	190.8
Calcium Chloride	27.0
Base Course	64.9
Grading	210.6
Gravelling	151.7
Concrete Pavement	3.6
Asphalt Surface Treatment	15.0
Seal Coat	212.3
	875.9

HIGHWAY CONSTRUCTION
PROVINCIAL ROADS
APPROPRIATION 15-8A

Table No. C3

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
200	1035	Dominion City - South Jct. P.R. No. 217 R.M of Franklin 12.2 km	Base Course (12.2 km) A.S.T. (12.2 km)	$ 701,672.62
	1448	North Boundary Floodway - P.R. No. 210 City of Winnipeg & R.M. of Ritchot 11.1 km	Preliminary Engineering	19,250.63
200 & 217	1110	P.T.H. No. 23 - South Jct. P.R. No. 217 & P.R. No. 200 - Arnaud R.M. of De Salaberry & Franklin 15.7 km	Base Course A.S.T.	48,357.30
201	1047	P.T.H. No. 30 Easterly R.M. of Rhineland & Montcalm 9.8 km	Base Course	938,029.72
	1135	P.R. No. 432 - P.T.H. No. 31 R.M. of Stanley & Pembina 16.0 km	Preliminary Engineering	17,949.61
	1367	Gnadenthal - P.T.H. No. 32 R.M. of Stanley & Rhineland 9.8 km	Calcium Chloride (9.8 km)	12,260.80
	1446	P.R. No. 242 - P.T.H. No. 34 R.M. of Louise 19.8 km	Preliminary Engineering	30,245.02
204	1438	Vicinity of P.R. No. 509 R.M. of St. Clements	Slide Repair	13,879.46
206	1125	P.T.H. No. 1 - P.R. No. 207 R.M. of Tache 4.8 km	Abandonment Grant	3,600.00
	1283	P.R. No. 207 - P.T.H. No. 1 R.M. of Tache 4.9 km	Base Course (4.9 km) A.S.T. (4.9 km)	379,364.41

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
209	1320	P.R. No. 201 - Gardenton L.G.D. of Stuartburn 8.0 km	Calcium Chloride (8.0 km)	$ 9,415.91
210	1046	Woodridge - South Jct. P.T.H. No. 12 L.G.D. of Piney 14.0 km	Preliminary Engineering	17,084.63
	1379	St. Adolphe - P.T.H. No. 59 R.M. of Ritchot 9.2 km	Right-of-Way	641.73
	1385	P.T.H. No. 12 - P.R. No. 206 R.M. of Ste. Anne & Tache 12.0 km	Right-of-Way	17,494.83
212 & 306	1403	Vicinity of East Selkirk & Garson R.M. of St. Clements & Springfield 16.9 km	Gravel	73,686.67
213	1018	P.R. No. 212 - P.T.H. No. 12 R.M. of Springfield 16.0 km	Grade (6.2 km) Gravel (6.2 km)	979,130.24
	1308	P.R. No. 212 - P.T.H. No. 12 R.M. of Springfield 9.8 km	Right-of-Way	140,223.59
215	1116	Thru Beausejour Town of Beausejour 2.6 km	Preliminary Engineering	37,206.08
217	1437	Marsh River Bridge R.M. of Franklin	Construct & Remove Detour	5,475.01
221	1303	P.R. No. 412 - P.R. No. 248 R.M. of Rosser 10.3 km	Right-of-Way	22,172.81
	1417	1 km East Marquette R.M. of Rosser	Arch-Pipe Replacement	20,758.60
221 & 605	1346	Sturgeon Road R.M. of Rosser 1.2 km	Intersection Alignment Improvements	2,901.29

Table No. C3

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
224	1220	P.R. No. 325 - Dallas Peguis Indian Reserve 24.7 km	Base Course A.S.T.	$ 2,096.53
226 & 233	1033	P.R. No. 329 - N.E. 9-24-1E. R.M. of Bifrost 14.8 km	Right-of-Way	86,558.29
	1034	P.R. No. 329 - N.E. 9-24-1E. R.M. of Bifrost 14.8 km	Preliminary Engineering	3,409.70
	1376	P.R. No. 329 - N.E. 9-24-1E. R.M. of Bifrost 15.0 km	Grade (15.0 km) Gravel (15.0 km)	1,023,934.03
227	1356	P.R. No. 248 - P.R. No. 430 R.M. of Woodlands 19.3 km	Calcium Chloride (19.3 km)	24,339.47
	1391	Jct. of P.T.H. No. 6 R.M. of Woodlands 1.0 km	Right-of-Way	1,949.12
227 & 248	1251	P.T.H. No. 6 - P.T.H. No. 26 R.M. of St. Francois Xavier, Rosser & Woodlands 24.5 km	Base Course A.S.T.	52,771.90
229	1164	P.T.H. No. 6 - East R.M. of Coldwell 9.7 km	Preliminary Engineering	31,049.92
	1370	P.T.H. No. 6 - P.R. No. 518 R.M. of Coldwell 22.5 km	Calcium Chloride (22.5 km)	12,052.00
	1393	P.T.H. No. 8 - P.T.H. No. 9 R.M. of St. Andrews & Town of Winnipeg Beach 3.2 km	Bituminous Pavement Base Course	2,500.00
231	1369	P.T.H. No. 7 - P.T.H. No. 17 L.G.D. of Armstrong 21.7 km	Calcium Chloride (21.7 km)	14,871.19
	1435	P.T.H. No. 8 - West L.G.D. of Armstrong 21.7 km	Access Structures	38,943.51

Table No. C3

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
233	1137	P.R. No. 326 - P.T.H. No. 8 R.M. of Bifrost 14.9 km	Preliminary Engineering	$ 31,142.38
	1221	N.E. Section 7-24-2E. - P.R. No. 326 R.M. of Bifrost 6.7 km	Preliminary Engineering	1,572.55
234	1224	Calder's Dock - Island View Unorganized Territory 27.6 km	Preliminary Engineering	2,296.24
	1225	South Jct. P.R. No. 233 - P.R. No. 325 R.M. of Bifrost 15.4 km	Grade (15.4 km) Gravel (15.4 km)	64,923.90
	1371	P.R. No. 325 - Beaver Creek R.M. of Bifrost & Unorganized Territory 23.4 km	Calcium Chloride (23.4 km)	9,138.97
236	1353	P.T.H. No. 67 - P.R. No. 517 R.M. of Rockwood 12.9 km	Calcium Chloride (12.9 km)	15,522.10
238	1107	South Jct. P.T.H. No. 9 - Stevens Avenue in Lockport R.M. of St. Andrews 9.7 km	Preliminary Engineering	24,750.13
	1265	South Jct. P.T.H. No. 9 - Stevens Avenue in Lockport R.M. of St. Andrews 9.7 km	Right-of-Way	23,083.63
	1402	P.R. No. 238 (River Road) R.M. of St. Andrews	Manufacture & Install Guide Signs	2,080.65
	1427	South Jct. P.T.H. No. 9 - Stevens Avenue in Lockport R.M. of St. Andrews 3.2 km	River Bank Stabilization	985,563.22
239	1332	P.T.H. No. 6 - Steeprock L.G.D. of Grahamdale 20.1 km	Seal Coat	153,887.76

Table No. C3

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
240	1117	P.R. No. 240 & P.R. No. 331 Southerly R.M. of Portage la Prairie & Grey 21.1 km	Right-of-Way	$ 48,956.47
	1138	P.T.H. No. 2 - N.E. Corner of Section 28-9-7W. R.M. of Grey 12.9 km	Right-of-Way	26,035.05
	1396	P.R. No. 331 - S.E. Corner 3-11-7W. R.M. of Portage la Prairie 8.9 km	Grade (8.9 km) Gravel (8.9 km)	103,278.71
241	1092	P.T.H. No. 1 - East Boundary of Cartier R.M. of Cartier 10.0 km	Preliminary Engineering	21,484.97
	1355	T.C.H. - P.R. No. 424 R.M. of Cartier 4.8 km	Calcium Chloride (4.8 km)	6,247.30
242	1254	East Jct. P.T.H. No. 16 R.M. of Portage la Prairie 3.4 km	Right-of-Way	33,839.12
	1354	P.T.H. No. 16 - Lynch Point R.M. of Westbourne & Portage la Prairie 16.7 km	Calcium Chloride (16.7 km)	21,131.20
	1366	East Jct. P.T.H. No. 2 - North of P.R. No. 244 R.M. of South Norfolk 10.9 km	Calcium Chloride (10.9 km)	12,445.97
	1441	P.R. No. 242 R.M. of Pembina	Drainage Improvements	8,465.42
245	1048	P.R. No. 242 Westerly R.M of Lorne 8.4 km	Grade Gravel	24,149.90
	1261	Carman - Roseisle R.M. of Dufferin 24.9 km	Bituminous Pavement	6,741.05
	1411	Village of Notre Dame de Lourdes, R.M of Lorne 0.2 km	Bituminous Pavement	17,021.53

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
247	1049	West of LaSalle: N.E. Corner Section 30-8-2E. R.M. of Macdonald	Grade Gravel	$ 6,525.10
	1139	P.T.H. No. 75 - P.R. No. 330 at LaSalle R.M. of Macdonald 10.0 km	Right-of-Way	601.73
	1447	P.T.H. No. 75 - P.R. No. 330 at LaSalle, R.M. of Macdonald 10.0 km	Preliminary Engineering	25,745.03
248	1088	P.T.H. No. 26 - P.R. No. 227 R.M. of Woodlands & & St. Francois Xavier 12.0 km	Base Course Bituminous Pavement	501,069.98
250	1051	P.R. No. 349 - P.T.H. No. 1 R.M of Whitehead 11.2 km	Grade Gravel	15,863.33
	1052	West Jct. P.T.H. No. 1 - Northerly R.M. of Whitehead & Daly 9.2 km	Base Course (9.2 km) A.S.T. (9.2 km)	173,545.63
	1433	P.R. No. 349 - Souris R.M. of Whitehead & Glenwood 12.0 km	Right-of-Way	2,131.34
252	1053	P.R. No. 255 - P.T.H. No. 1W R.M. of Pipestone & Wallace 22.2 km	Preliminary Engineering	343.90
	1392	P.R. No. 345 - North End of District R.M. of Albert 14.5 km	Spot Grade Improvements	128,229.58
253	1374	P.T.H. No. 5 - Glenora R.M. of Argyle 11.0 km	Base Course (11.0 km) A.S.T. (11.0 km)	419,067.71
254	1054	P.T.H. No. 1 - North of Assiniboine River R.M. of Sifton & Woodworth 2.9 km	Right-of-Way	10,354.85

Table No. C3

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
254	1094	P.T.H. No. 3 - East R.M. of Russell, Silver Creek, Shellmouth & Boulton 10.6 km	Grade Gravel	$ 20,079.24
	1276	N.E. Cor. Sec. 26-21-25W. - P.R. No. 476 R.M. of Rossburn & Silver Creek 13.3 km	Preliminary Engineering	8,079.98
	1288	P.T.H. No. 16 - North R.M. of Birtle 11.9 km	Base Course (11.9 km) A.S.T. (11.9 km)	568,281.25
254 & 622	1289	P.R. No. 622 - P.R. No. 254 - P.T.H. No. 45 R.M. of Rossburn 1.6 km	Preliminary Engineering	27,894.74
255	1424	P.R. No. 256 - Easterly R.M. of Wallace 5.0 km	Grade	87,397.58
256	1055	P.T.H. No. 2 - South of Cromer R.M. of Pipestone 14.9 km	Right-of-Way	28,369.99
	1056	P.R. No. 467 - P.T.H. No. 41 R.M. of Archie 13.2 km	Right-of-Way	927.86
	1434	P.T.H. No. 2 Southerly R.M. of Albert & Pipestone 10.2 km	Grade (10.2 km) Gravel (10.2 km)	94,095.50
257	1331	6th Avenue - Town of Virden - P.R. No. 256 R.M. of Wallace 22.5 km	Bituminous Pavement	2,728.97
259 & 542	1465	P.R. No. 259; N. 6-12-23W., P.R. No. 542 Sec. 3-12-29W. & P.R. No. 542 E. 21-12-29W. R.M. of Woodworth & Wallace	Bridge Survey	14,255.59

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
260	1025	N.E. Cor. Sec. 33-16-12W. - P.T.H. No. 16 R.M. of Westbourne 22.5 km	Preliminary Engineering	$ 78,040.04
260 & 261	1255	South Jct. P.R. No. 261 - East Boundary R.M. of Glenella 6.4 km	Right-of Way	1,933.53
	1406	South Jct. P.R. No. 261 - East Boundary R.M. of Glenella 6.4 km	Grade Gravel	32,992.43
263	1155	P.R. No. 262 - P.T.H. No. 10 L.G.D. of Clanwilliam 22.4 km	Grade Gravel	8,799.72
265	1159	P.T.H. No. 5 East - District Boundary, R.M. of Rosedale 5.0 km	Right-of-Way	559.64
	1467	P.T.H. No. 5 - East District Boundary, R.M. of Rosedale 5.0 km	Grade (5.0 km) Gravel (5.0 km)	11,716.41
266	1112	N.E. Cor. Sec. 18-38-26W. - Sec. 28-38-26W. R.M. of Minitonas 6.5 km	Preliminary Engineering	12,126.13
	1200	North of Bowsman River - N.E. Cor. Sec. 18-38-26W. R.M. of Minitonas 3.4 km	Right-of-Way	10,028.64
	1201	North of Bowsman River - N.E. Cor. Sec. 18-38-26W. R.M. of Minitonas 3.4 km	Preliminary Engineering	3,344.73
	1418	Birch River - 1.6 km S. L.G.D. of Mountain 1.6 km	Drainage	6,786.95
268	1409	Lenswood - P.R. No. 266 R.M. of Minitonas & L.G.D. of Mountain 19.0 km	Preliminary Engineering	16,741.02

Table No. C3

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
269	1070	North Jct. P.R. No. 364 - P.R. No. 490 R.M. of Mossey River & Unorganized Territory 14.6 km	Grade Widening $ Shoulder Gravel	19,459.85
	1168	N.E. Cor. Sec. 31-29-21W. - P.T.H. No. 10 R.M. of Ethelbert 2.74 km	Right-of-Way	10,310.12
	1349	P.R. No. 364 - P.R. No. 490 R.M. of Mossey River & Unorganized Territory 14.5 km	Base Course (11.1 km)	69,411.67
270	1136	West of Onanole L.G.D. of Park 3.5 km	Grade Gravel	4,453.91
271	1202	P.T.H. No. 10 - P.R. No. 489 L.G.D. of Mountain 19.0 km	Preliminary Engineering	2,909.74
272	1113	P.T.H. No. 20 - North Pine Creek Indian Reserve & Unorganized Territory 10.0 km	Base Course A.S.T.	250,205.77
	1345	Duck Bay - 10.0 km South Unorganized Territory	Calcium Chloride	15,920.32
274	1071	Vicinity of Mink Creek R.M. of Ethelbert 12.2 km	Grade Base Course A.S.T.	53,654.24
276	1072	Skownan - South Boundary Waterhen Indian Reserve No. 45 8.6 km	Grade Gravel	78,920.36
	1172	South Boundary Waterhen Indian Reserve - Skownan Unorganized Territory & Waterhen Indian Reserve No. 45	Right-of-Way	16,156.45
	1173	P.T.H. No. 5 - P.R. No. 585 R.M. of Ste. Rose & Lawrence 50.2 km	Preliminary Engineering	13,990.92

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
276	1174	P.R. No. 328 - South Boundary Waterhen Indian Reserve No. 45 Unorganized Territory 8.7 km	Preliminary Engineering	$ 999.80
	1243	S. Boundary Indian Reserve No. 45 - P.R. No. 328 Unorganized Territory 10.6 km	Grade (10.6 km) Gravel (10.6 km)	400,364.86
	1387	Waterhen Indian Reserve No. 45, Unorganized Territory 8.3 km	Calcium Chloride (8.3 km)	64,644.52
278	1142	8 km S. of P.R. No. 235 - 5 km N. of Kinosota Access Road L.G.D. of Alonsa 16.9 km	Seal Coat (16.9 km)	97,685.81
279 & 588	1042	16 km West of Bowsman R.M. of Swan River 11.6 km	Right-of-Way	4,114.51
280	1069	Split Lake - Long Spruce Unorganized Territory 139.0 km	Stockpile Traffic Gravel	15,507.22
	1296	Split Lake Access - Long Spruce Unorganized Territory 135.0 km	Grade Reconstruction	488,347.00
	1297	P.R. No. 391 - Split Lake Unorganized Territory 126.3 km	Grade Reconstruction	159,429.89
	1329	Split Lake - Long Spruce Unorganized Territory 135.0 km	Calcium Chloride (135 km)	84,583.65
	1461	Split Lake - Long Spruce Unorganized Territory 74.8 km	Stockpiling Aggregates	434,581.29
280 & 290	1302	Gillam - Limestone L.G.D. of Gillam 51.2 km	Bituminous Leveling Gravel Drainage	144,865.22

Table No. C3

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
283	1067	P.R. No. 283 (Pasquia River Crossing) L.G.D. of Consol	Preliminary Engineering	$ 13,787.43
	1267	West of P.R. No. 282 - Saskatchewan Boundary L.G.D. of Consol 21.9 km	Base Course (21.9 km) A.S.T. (21.9 km)	1,091,921.34
285	1080	P.R. No. 285 at The Pas Town of The Pas	Install Pedestrian Corridor	9,278.55
	1268	East of The Pas L.G.D. of Consol 3.4 km	Additional Gravel Calcium Chloride (3.4 km)	18,490.87
287	1475	P.T.H. No. 10 Atikameg Clearwater Provincial Park & Unorganized Territory 19.0 km	Seal Coat	34,028.51
291	1430	Flin Flon: Green Street - Emery Drive City of Flin Flon 1.8 km	Right-of-Way	7,301.06
302	1122	P.T.H. No. 15 - North Boundary R.M of Springfield R.M. of Springfield 9.7 km	Right-of-Way	50,500.58
303	1319	1.6 km E. of P.T.H. No. 12 - 4.8 km W. of P.T.H. No. 12 R.M. of Hanover 6.4 km	Calcium Chloride (6.4 km)	12,710.79
			Right-of-Way	1,357.98
	1325	East of P.T.H. No. 12 - South Jct. P.R. No. 216 R.M. of Hanover 8.4 km		
			Grade	10,568.19
304	1017	P.T.H. No. 59 - Easterly L.G.D. of Alexander 10.2 km	Gravel	

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
304	1026	N.E. Cor. Sec. 16-17-9E. - P.T.H. No. 11 L.G.D. of Alexander 15.6 km	Preliminary Engineering	$ 36,705.54
	1123	P.T.H. No. 12 - N.E. Cor. Sec. 16-17-9E. L.G.D. of Alexander 20.9 km	Right-of-Way	15,364.85
	1285	Vicinity of Stead - East L.G.D. of Alexander 11.3 km	Clearing Drainage	151,314.91
	1348	P.T.H. No. 59 - Vicinity of Stead L.G.D. of Alexander 9.7 km	Gravel (9.7 km) Calcium Chloride (9.7 km)	4,330.45
304 & 314	1284	Manigotagan River - Long Lake Unorganized Territory 91.7 km	Prepare & Stockpile Gravel	351,569.01
304, 315, 319 & 500	1144	Various Locations R.M. of St. Clements, Lac du Bonnet & Unorganized Territory	Calcium Chloride	62,636.29
305	1050	C.N.R. Crossing West of P.T.H. No. 75 - West R.M. of Ritchot & Macdonald 2.5 km	Grade Gravel	5,253.70
	1109	P.T.H. No. 59 - Rat River Bridge R.M. of Hanover & Ritchot 10.9 km	Grade (10.9 km) Gravel (10.9 km)	590,357.26
	1134	P.T.H. No. 2 - N.E. Corner Section 14-9-8W. R.M. of South Norfolk 11.4 km	Grade Gravel	5,588.26
	1365	P.T.H. No. 2 - N.E. Corner Section 14-7-8W. R.M. of South Norfolk 11.4 km	Calcium Chloride (11.4 km)	15,458.04
	1473	N. 21-7-3W. Barnsley Drain R.M. of Dufferin	Detour Construction	920.38

Table No. C3

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
306, 410 & 435	1326	Various Highways R.M. of St. Andrews & St. Clements	Calcium Chloride	$ 22,521.72
307	1124	P.T.H. No. 11 - Whiteshell Provincial Park Gate R.M. of Whitemouth 13.3 km	Right-of-Way	17,603.65
308	1318	Moose Lake Entrance - East Braintree L.G.D. of Reynolds & N.W. Angle Forest Reserve 65.4 km	Calcium Chloride (65.4 km)	31,372.94
311 & 216	1322	P.T.H. No. 59 - P.R. No. 206 R.M. of Hanover 13.6 km	Base Course (13.6 km) Bituminous Pavement (13.6 km)	211,029.45
313	1480	P.R. No. 313 - Winnipeg River Bridge R.M. of Lac du Bonnet	Install Flashing Lights	3,097.00
314	1262	P.R. No. 315 - North Unorganized Territory 20.6 km	Preliminary Engineering	17,409.27
315	1028	West Bird River - Vicinity of P.R. No. 314 L.G.D. of Alexander & Unorganized Territory 18.5 km	Preliminary Engineering	15,617.88
317	1019	P.T.H. No. 59 - P.T.H. No. 12 R.M. of St. Clements & Brokenhead 9.6 km	Right-of-Way	1,961.78
318	1338	1.6 km South of P.R. No. 311 - P.R. No. 303 R.M. of DeSalaberry & Hanover 10.3 km	Right-of-Way	81,409.40

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
320	1027	North of Selkirk R.M. of St. Andrews 9.7 km	Preliminary Engineering	$ 1,211.08
321	1148	P.R. No. 220 - P.T.H. No. 7 R.M. of Rockwood, Rosser & West St. Paul 6.6 km	Right-of-Way	97,058.43
	1352	P.T.H. No. 7 - P.R. No. 220 R.M. of Rockwood 6.4 km	Calcium Chloride (6.4 km)	9,166.08
322	1351	P.T.H. No. 6 - P.T.H. No. 67 R.M. of Rockwood 6.9 km	Calcium Chloride (6.9 km)	9,103.00
325	1228	P.T.H. No. 17 - West L.G.D. of Fisher & Peguis Indian Reserve No. 1B 23.1 km	Preliminary Engineering	3,310.80
	1401	West of P.T.H. No. 17 - P.T.H. No. 6 R.M. of Siglunes & L.G.D. of Grahamdale 32.8 km	Preliminary Engineering	55,029.95
326 & 233	1389	P.R. No. 329 - N.E. 14-24-2E. R.M. of Bifrost 9.6 km	Calcium Chloride (9.6 km)	10,260.68
327	1037	Easterville Road - P.T.H. No. 60 Unorganized Territory 20.0 km	Preliminary Engineering	24,828.13
	1340	Easterville Access Unorganized Territory 12.3 km	Calcium Chloride (12.3 km)	29,475.00
	1452	P.T.H. No. 60 - Easterville Unorganized Territory 21.2 km	Grade (21.2 km) Gravel (21.2 km)	152,135.84

Table No. C3

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
328	1230	Vicinity of Waterhen River Unorganized Territory 12.4 km	Grade Gravel	$ 18,621.38
	1231	P.T.H. No. 6 - Waterhen R. Unorganized Territory & L.G.D. of Grahamdale 63.5 km	Preliminary Engineering	386.99
	1373	P.T.H. No. 6 Westerly L.G.D. of Grahamdale & Unoranized Territory 16.0 km	Calcium Chloride (16.0 km)	10,145.76
	1404	Mallard Rd. - N.E. 9-33-14W. Unorganized Territory 12.4 km	Gravel (12.4 km)	40,282.20
329	1233	P.R. No. 326 - P.R. No. 226 R.M. of Bifrost 6.7 km	Right-of-Way	14,967.00
	1234	P.R. No. 226 - P.T.H. No. 17 R.M. of Bifrost & L.G.D. of Fisher 21.8 km	Preliminary Engineering	1,850.60
	1357	P.T.H. No. 8 - P.R. No. 326 R.M. of Bifrost 13.3 km	Base Course A.S.T.	735,451.93
330 & 247	1140	Domain - LaSalle R.M. of Macdonald 9.8 km	Base Course (9.8 km)	1,139,083.95
334	1304	North Boundary R.M. of Macdonald - E. Jct. P.R. No. 241 City of Winnipeg 6.1 km	Right-of-Way	2,725.74
	1305	N. of North Boundary - R.M. of Macdonald - P.T.H. No. 2 R.M. of Macdonald 5.3 km	Preliminary Engineering	4,303.98
336	1444	North of P.T.H. No. 3: At Boyne Channel R.M. of Morris & Macdonald 0.5 km	Right-of-Way	4,813.44

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
338	1130	North of P.T.H. No. 3 - P.T.H. No. 23 R.M. of Stanley & Thompson 16.9 km	Preliminary Engineering	$ 11,710.88
	1450	N.E. Corner 19-4-6W. R.M. of Thompson	Construct Detour Relocate Municipal Road	8,615.24
340	1463	Vicinity of Shilo R.M. of Cornwallis & North Cypress 5.1 km	Grade Gravel	11,450.15
	1464	Vicinity of Shilo R.M. of Cornwallis & North Cypress 5.1 km	Right-of-Way	4,283.00
	1477	S. of Shilo - P.R. No. 344 R.M. of Cornwallis, North Cypress & Oakland 14.3 km	Right-of-Way	11,627.46
	1478	P.T.H. No. 1 - P.R. No. 457 R.M. of Cornwallis & Elton 9.0 km	Preliminary Engineering	5,923.57
341	1248	Lower Pembina River North of 10-2-19W. R.M. of Morton	Detour Construction	7,550.98
342	1317	P.T.H. No. 3A - Clearwater R.M. of Louise 0.5 km	Grade (0.5 km) Gravel (0.5 km)	50,057.06
	1341	E. of S.E. 1/4 12-7-13W. & E. of 1-7-13W. R.M. of South Cypress & Victoria 2.4 km	Grade (2.4 km) Gravel (2.4 km)	121,292.35
	1432	P.T.H. No. 3A - Clearwater R.M. of Louise 1.0 km	Base Course (1.0 km) A.S.T. (1.0 km)	63,097.96
344	1058	Wawanesa - North of P.R. No. 453 R.M. of Oakland & Cornwallis 29.3 km	Right-of-Way	8,663.32

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
344	1059	Brandon, 17th Street East - Easterly City of Brandon & R.M. of Cornwallis 13.4 km	Base Course (4.1 km) Bituminous Pavement (4.1 km)	$ 254,246.46
	1128	Dunrea - N. End of District R.M. of Riverside 10.5 km	Spot Grade Improvements	26,972.61
	1143	1st Street - 18th Street City of Brandon 1.6 km	Seal Coat (1.6 km)	39,677.72
	1247	Orthez Drain E. of 32-5-17W. R.M. of Riverside	Detour Construction	13,555.77
345	1129	Lauder - West R.M. of Cameron 10.6 km	Base Course	175,486.94
348 & 448	1246	P.T.H. No. 10 - P.R. No. 343 R.M. of Morton 19.8 km	Right-of-Way	18,329.93
349	1060	P.T.H. No. 10 - 1.6 km West R.M. of Cornwallis 1.6 km	Grade Gravel	68,923.20
351 & 604	1061	In Carberry: P.T.H. No. 5 - West Town Limits R.M. of North Cypress 3.0 km	Grade Bituminous Pavement Base Course	222,104.02
352	1257	South of P.T.H. No. 16 - Arden R.M. of Lansdowne 8.0 km	Right-of-Way	3,476.85
	1258	Arden - P.R. No. 575 R.M. of Lansdowne 19.3 km	Right-of-Way	8,671.91
354	1105	P.T.H. No. 45 - Southerly R.M. of Strathclair 4.8 km	Grade Gravel	11,439.39

Table No. C3

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
354	1241	Strathclair - N.E. 35-15-22W. R.M. of Strathclair 8.3 km	Right-of-Way	$ 17,434.51
	1300	Little Saskatchewan River Valley R.M. of Strathclair 4.2 km	Calcium Chloride (4.2 km)	6,846.22
355	1099	P.R. No. 470 - P.T.H. No. 21 R.M. of Hamiota 5.0 km	Preliminary Engineering	12,717.81
	1273	P.R. No. 474 - P.T.H. No. 83 R.M. of Miniota 11.4 km	Grade (11.4 km) Gravel (11.4 km)	552,318.30
	1274	P.R. No. 474 - P.T.H. No. 83 R.M. of Miniota 11.5 km	Right-of-Way	20,063.49
	1412	Cardale West R.M. of Blanshard & Hamiota 18.0 km	Grade Gravel	1,624.85
359	1106	P.R. No. 250 - P.R. No. 354 L.G.D. of Park 15.1 km	Preliminary Engineering	24,985.36
	1161	P.R. No. 270 - P.R. No. 250 L.G.D. of Park 11.6 km	Preliminary Engineering	7,146.23
	1275	West of Vista, thru Birdtail Valley R.M. of Rossburn 2.5 km	Right-of-Way	26,831.35
	1307	P.R. No. 354 - N.E. 8-19-22W. L.G.D. of Park 16.4 km	Right-of-Way	59,021.39
360	1175	P.T.H. No. 68 - N.E. Corner of N.W. 1/4 Sec. 32-22-14W. R.M. Ste. Rose 11.43 km	Right-of-Way	1,076.36

Table No. C3

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
360	1176	P.T.H. No. 68 - P.T.H. No. 50 R.M. of Ste. Rose & McCreary 16.4 km	Preliminary Engineering	$ 3,469.44
362	1177	P.R. No. 267 - P.R. No. 273 R.M. of Dauphin 9.6 km	Right-of-Way	1,044.38
	1178	North of Dauphin at Dead Man's Creek R.M. of Dauphin	Right-of-Way	15,797.86
	1179	P.T.H. No. 5A - P.R. No. 491 R.M. of Dauphin 16.9 km	Preliminary Engineering	1,701.92
	1439	P.T.H. No. 5A - P.R. No. 491 R.M. of Dauphin 15.8 km	Right-of-Way	1,718.98
363	1180	West of P.R. No. 484, North of Section 4 & 5-28-29W. R.M. of Shell River 1.6 km	Right-of-Way	12,171.45
364	1073	South of Winnipegosis - North Jct. P.R. No. 269 R.M. of Mossey River 8.6 km	Grade Gravel	25,823.87
	1182	N.E. Cor. Sec. 7-30-18W. - P.T.H. No. 20 R.M. of Mossey River 4.4 km	Right-of-Way	6,000.00
	1184	Old Mossey River Bridge - S. R.M. of Mossey River 1.6 km	Subgrade Repair Bituminous Pavement	45,218.33
	1395	North Jct. P.R. No. 269 - P.T.H. No. 20 R.M. of Mossey River 10.0 km	Gravel (10.0 km)	48,615.85
364 & 481	1263	Rorketon - West & North R.M. of Lawrence 17.7 km	Preliminary Engineering	45,834.01

Table No. C3

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
365	1205	P.T.H. No. 10 - Bell River Porcupine Forest Reserve 5.0 km	Preliminary Engineering	$ 4,174.13
366	1074	Valley River Bridge - N.E. Cor. Sec. 12-26-24W. R.M. of Grandview 6.2 km	Base Course Bituminous Pavement	42,596.40
	1185	P.R. No. 584 - East R.M. of Odanah 23.2 km	Right-of-Way	1,398.60
	1206	Woody River - P.R. No. 268 L.G.D. of Mountain 4.8 km	Right-of-Way	1,603.03
	1290	Vicinity of Wellman Lake Duck Mountain Provincial Park 6.7 km	Grade Stockpile Traffic Gravel	560,868.59
	1359	P.T.H. No. 5 Southerly - 5.5 km R.M. of Grandview 5.5 km	Calcium Chloride (5.5 km)	9,066.57
	1360	P.R. No. 267 North District Boundary R.M. of Grandview & Duck Mountain Forest Reserve 13.0 km	Calcium Chloride (13.0 km)	30,219.11
	1397	South of P.T.H. No. 5 R.M of Grandview 6.24 km	Calcium Chloride (6.2 km)	11,072.83
	1414	N.E. 36-38-26W. R.M. of Minitonas & L.G.D. of Mountain 1.0 km	Preliminary Engineering	13,205.57
366, 367, 365 & 279	1344	Various, Duck Mountain Forest Reserve, Porcupine Forest Reserve & R.M. of Swan River	Calcium Chloride	135,092.04
367	1043	Boggy Creek - P.R. No. 594 L.G.D. of Park 3.2 km	Preliminary Engineering	8,516.50

Table No. C3

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
367	1207	Boggy Creek - P.R. No. 594 L.G.D. of Park 3.2 km	Right-of-Way	$ 17,584.00
	1244	West of P.T.H. No. 10 R.M. of Ethelbert 5.0 km	Grade (5.0 km) Bituminous Pavement (5.0 km)	659,098.55
	1280	San Clara - Boggy Creek L.G.D. of Park 11.0 km	Base Course (11.0 km) A.S.T. (11.0 km)	479,445.69
	1363	11 km West - 16 km West of P.T.H. No. 10 Duck Mountain Forest Reserve 5.0 km	Calcium Chloride (5.0 km)	6,107.75
373	1291	Muhigan River Southerly Unorganized Territory	Drainage	4,163.78
	1292	Sea River Falls - Norway House Unorganized Territory 35.8 km	Preliminary Engineering	15,920.59
	1311	P.T.H. No. 6 - Jenpeg Unorganized Territory 80.5 km	Gravel Drainage	225,250.48
	1315	Sea River Falls - South Unorganized Territory 8.7 km	Grade (8.7 km) Gravel (8.7 km)	1,097,716.52
373, 391, 280 394 & 398	1330	P.T.H. No. 6 - Norway House - Split Lake, Thompson - Leaf Rapids, Lynn Lake - Berge Lake Unorganized Territory, L.G.D. of Mystery Lake, Lynn Lake & Town of Leaf Rapids 39.0 km	Calcium Chloride (390.0 km)	272,041.96
391	1066	Thompson Airport - Northwesterly L.G.D. of Mystery Lake 11.6 km	Grade Gravel	214,042.21
	1068	Sapochi River - West Unorganized Territory 32.0 km	Preliminary Engineering	26,222.41

Table No. C3

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
391	1295	P.R. No. 610 Thompson Airport Access - East of Sapochi River L.G.D. of Mystery Lake & Unorganized Territory 43.6 km	Preliminary Engineering	$ 8,758.13
	1310	Suwanee River - Turnbull Lake Road Unorganized Territory 35.2 km	Grade Gravel	39,008.05
	1314	West of Sapochi River - Footprint River Unorganized Territory 16.8 km	Grade (16.8 km) Gravel (16.8 km)	490,672.92
	1333	Hughes Lake - Lynn Lake L.G.D. of Lynn Lake & Unorganized Territory 34.4 km	Bituminous Levelling Shoulder Gravel Drainage	92,956.58
	1334	Watsko Lake - Hughes Lake Unorganized Territory 34.1 km	Bituminous Levelling Gravel Shoulders Drainage	120,878.09
	1335	Turnbull Lake - Watsko Lake Town of Leaf Rapids & Unorganized Territory 41.7 km	Bituminous Levelling Shoulder Gravel	50,268.99
	1421	Rat River - Suwannee River Unorganized Territory 62.0 km	Grade Repairs	25,763.75
	1468	Thompson - Wabowden L.G.D. of Mystery Lake & Unorganized Territory 120.7 km	Preliminary Engineering	24,011.25
392	1336	P.T.H. No. 39 - Snow Lake L.G.D. of Snow Lake 34.4 km	Bituminous Leveling	110,342.45
	1459	P.T.H. No. 39 Northerly Town of Snow Lake 15.3 km	Grade Widening	581,444.26

Table No. C3

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
394	1312	Lynn Lake - Co-op Point Unorganized Territory 100.9 km	Spot Grade & Drainage Improvements	$ 38,480.93
395	1266	P.R. No. 392 - Chisel Lake Mine L.G.D. of Snow Lake 13.0 km	Gravel (13.0 km) Calcium Chloride (13.0 km)	86,614.22
403	1378	P.T.H. No. 59 - P.R. No. 216 R.M. of DeSalaberry 7.4 km	Right-of-Way	864.79
406	1022	P.T.H. No. 15 - P.T.H. No. 44 R.M. of Whitemouth 14.8 km	Right-of-Way	118,345.49
408	1093	P.T.H. No. 44 - P.R. No. 307 R.M. of Whitemouth 13.6 km	Right-of-Way	34,329.68
410	1121	P.R. No. 230 - P.T.H. No. 8 R.M. of St. Andrews 3.9 km	Right-of-Way	2,136.13
	1306	P.T.H. No. 9 - P.R. No. 238 R.M. of St. Andrews 3.9 km	Preliminary Engineering	2,827.48
413	1152	P.T.H. No. 8 - P.T.H. No. 9 R.M. of St. Andrews 4.8 km	Grade Gravel	6,087.58
	1153	P.T.H. No. 9 - West Boundary of District R.M. of St. Andrews 9.8 km	Right-of-Way	38,337.19
	1270	R.M. of St. Andrews 5.0 km	Base Course (5.0 km) A.S.T. (5.0 km)	277,069.37
415	1118	P.T.H. No. 7 - P.R. No. 322 R.M. of Rockwood & Woodlands 19.8 km	Right-of-Way	221,376.45

Table No. C3

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
415	1368	P.T.H. No. 6 - P.R. No. 518 R.M. of St. Laurent 14.8 km	Calcium Chloride (14.8 km)	$ 13,504.17
417	1390	P.T.H. No. 6 - West R.M. of Eriksdale 24.6 km	Calcium Chloride (24.6 km)	11,877.57
419	1372	Lundar - Lundar Beach R.M. of Coldwell 18.8 km	Calcium Chloride (18.8 km)	16,807.34
420	1133	P.T.H. No. 75 - West R.M. of Macdonald & Ritchot 5.8 km	Right-of-Way	4,328.00
422	1091	P.T.H. No. 23 - P.R. No. 205 R.M. of Morris	Construct Detours & Drains	2,849.37
	1132	P.T.H. No. 23 - P.R. No. 205 R.M. of Morris 11.5 km	Right-of-Way	158,401.73
	1264	P.T.H. No. 23 - P.R. No. 205 R.M. of Morris 11.6 km	Grade (11.6 km) Gravel (11.6 km)	767,937.22
424	1278	P.T.H. No. 2 - P.R. No. 241 R.M. of Macdonald & Cartier 10.0 km	Grade (10.0 km) Gravel (10.0 km)	76,142.86
430	1279	P.T.H. No. 1 - P.T.H. No. 26 R.M. of Portage la Prairie 10.5 km	Base Course (10.5 km) A.S.T. (10.5 km)	28,436.76
	1350	P.R. No. 227 - N. Jct. St. Ambroise R.M. of Portage la Prairie 20.1 km	Calcium Chloride (20.1 km)	22,900.53
435	1413	P.T.H. No. 12 - P.R. No. 316 R.M. of Brokenhead 8.6 km	Grade (8.6 km) Gravel (8.6 km)	30,388.08

Table No. C3

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
440	1127	P.T.H. No. 23 - Pembina River Valley R.M. of Argyle 9.6 km	Right-of-Way	$ 663.53
449	1407	P.R. No. 245 - East of P.T.H. No. 34 R.M. of Victoria & South Norfolk 1.6 km	Grade (1.6 km) Gravel (1.6 km)	131,182.55
455	1062	P.T.H. No. 21 - P.R. No. 250 R.M. of Whitehead 10.3 km	Grade (10.3 km) Gravel (10.3 km)	632,150.14
459	1063	P.T.H. No. 10 - P.T.H. No. 1 R.M. of Whitehead, Cornwallis & The City of Brandon 15.4 km	Preliminary Engineering	4,202.71
	1064	Curran Park Entrance - P.T.H. No. 1 R.M. of Cornwallis & Whitehead 7.5 km	Base Course A.S.T.	2,308.80
462	1260	P.R. No. 261 - North Boundary R.M. of Glenella R.M. of Glenella 7.4 km	Right-of-Way	33,261.95
465	1120	P.R. No. 468 - East R.M. of Odanah 0.8 km	Grade (0.8 km) Gravel (0.8 km)	57,314.48
466	1449	East 6-16-16W. - .8 km North of P.R. No. 471 R.M. of Rosedale	Construct Bridge Detour	3,505.59
471	1104	P.T.H. No. 5 - N.E. Corner Section 32-15-16W. R.M. of Rosedale 10.6 km	Preliminary Engineering	8,130.84

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
471	1240	N.E. Corner 34-15-16W. R.M. of Rosedale	Install Culvert	$ 3,219.19
476	1287	P.T.H. No. 45 - C.N.R. North R.M. of Silver Creek 0.7 km	Preliminary Engineering	5,802.13
478	1095	P.T.H. No. 16 - East R.M. of Russell & Silver Creek 7.4 km	Preliminary Engineering	556.80
480	1186	P.R. No. 360 - West R.M. of Ste. Rose 5.5 km	Preliminary Engineering	10,100.57
	1187	Makinak - North Jct. P.T.H. No. 5 R.M. of Ochre River 8.2 km	Preliminary Engineering	1,728.40
	1188	Makinak - North Jct. P.T.H. No. 5 R.M. of Ochre River 8.2 km	Right-of-Way	108,534.99
	1190	Laurier - South of Henderson Creek R.M. of Ste. Rose & Ochre River 9.7 km	Right-of-Way	5,999.56
	1191	North Jct. P.T.H. No. 5 - Turtle River R.M. of Ochre River 8.0 km	Right-of-Way	2,416.38
	1245	Makinak - North Jct. P.T.H. No. 5 R.M. of Ochre River 8.2 km	Grade (8.2 km) Gravel (8.2 km)	701,073.66
	1361	P.T.H. No. 5 - P.R. No. 360 R.M. of Ochre River 8.2 km	Calcium Chloride (8.2 km)	10,455.71
	1362	Makinak - 100 m South of North Limit Twp. 22 R.M. of Ochre River 4.1 km	Calcium Chloride (4.1 km)	6,075.10

Table No. C3

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
481	1023	Toutes Aides - East R.M. of Lawrence 10.0 km	Gravel (10.0 km)	$ 20,033.82
	1075	Toutes Aides - Easterly R.M. of Lawrence & Unorganized Territory 10.0 km	Grade Gravel	366,041.13
	1192	North of Section 31-29-14W. - Crane River Unorganized Territory 14.6 km	Right-of-Way	75,773.94
	1193	Toutes Aides - Crane River R.M. of Lawrence & Unorganized Territory 41.0 km	Right-of-Way Preliminary Engineering	40,468.69
	1445	East of Toutes Aides - West of Crane River Unorganized Territory 9.8 km	Grade (9.8 km) Gravel (9.8 km)	83,921.48
482	1076	N.W. 1/4 Section 18 & S.W. 1/4 Section 19-25-29W. R.M. of Shell River 0.5 km	Berm Construction Bituminous Repairs	12,000.04
484	1077	North of P.R. No. 363 - East of N.E. 1/4 Sec. 21-28-29W. R.M. of Shell River 0.3 km	Grade Gravel Bridge Approaches	8,681.20
	1194	East of N.E. 1/4 Sec. 21-28-29W. R.M. of Shell River 0.3 km	Right-of-Way	1,749.00
486	1044	South of Kenville - East of Sec. 23, 26 & 35-34-28W. R.M. of Swan River 4.8 km	Preliminary Engineering	8,537.12
	1209	P.R. No. 488 - West R.M. of Swan River 3.3 km	Right-of-Way	2,466.94
	1210	P.R. No. 586 - East R.M. of Swan River 3.3 km	Preliminary Engineering	1,341.72

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
491	1167	P.R. No. 362 - Trembowla Trembowla Historical Site R.M. of Dauphin 9.3 km	Right-of-Way	$ 3,121.23
502	1440	R.M. of Lac du Bonnet	Sewer Claim Payments	4,252.68
	1479	Vicinity of P.R. No. 313 R.M. of Lac du Bonnet 0.7 km	Abandonment Grant	1,320.00
506	1323	P.R. No. 507 - P.T.H. No. 11 L.G.D. of Reynolds 11.0 km	Preliminary Engineering	31,378.09
507	1377	At Whitemouth River L.G.D. of Reynolds	Grade Bridge Approaches	27,115.00
513	1039	Anama Bay - East of Section 2-35-6W. Unorganized Territory 10.8 km	Grade Gravel	224,856.94
	1040	North of Sec. 24-34-7W. - East of Sec. 28-32-7W. L.G.D. of Grahamdale & Unorganized Territory 20.1 km	Preliminary Engineering	8,717.15
	1213	Anama Bay - North of Section 24-34-7W. Unorganized Territory 35.4 km	Right-of-Way	2,042.50
	1343	P.R. No. 513 - P.T.H. No. 6 - Sturgeon Creek Unorganized Territory	Signing of Curves	7,880.54
	1386	Gypsumville Easterly L.G.D. of Grahamdale & Unorganized Territory 72.6 km	Calcium Chloride (72.6 km)	13,026.08
517	1031	P.T.H. No. 7 - Balmoral R.M. of Rockwood 4.8 km	Grade Gravel	77,195.12

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
518	1235	North Jct. P.R. No. 415 - P.R. No. 229 R.M. of Coldwell & St. Laurent 15.1 km	Preliminary Engineering	$ 822.10
519	1236	P.T.H. No. 8 - P.T.H. No. 9 R.M. of Gimli 2.8 km	Right-of-Way	15,413.35
	1271	P.T.H. No. 8 - P.T.H. No. 9 R.M. of Gimli 2.8 km	Preliminary Engineering	4,766.39
520	1021	P.R. No. 211 - North L.G.D. of Pinawa & R.M. of Lac du Bonnet 8.2 km	Grade Gravel	29,486.25
	1281	P.R. No. 211 - P.R. No. 313 R.M. of Lac du Bonnet 5.9 km	Grade (5.9 km) Gravel (5.9 km)	332,755.26
	1282	P.R. No. 211 - North L.G.D. of Pinawa & R.M. of Lac du Bonnet 8.0 km	Gravel (8.0 km) Calcium Chloride (8.0 km)	37,207.32
	1442	P.R. No. 211 - P.R. No. 313 R.M. of Lac du Bonnet 14.0 km	Right-of-Way	12,270.79
541	1428	South of Rock Lake R.M. of Roblin 4.8 km	Right-of-Way	4,362.69
547	1078	P.R. No. 482 - Saskatchewan Boundary R.M. of Shellmouth 3.3 km	Base Course Bituminous Pavement	188,161.84
566	1298	P.R. No. 359 - P.R. No. 577 Unorganized Territory & R.M. of Rossburn 7.2 km	Right-of-Way	375.51
568	1098	P.T.H. No. 83 - Birdtail Ck. R.M. of Birtle	Right-of-Way	4,472.45

Table No. C3

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
575	1119	Tenby - P.R. No. 462 R.M. of Glenella & Lansdowne 4.3 km	Preliminary Engineering	$ 1,300.83
	1405	P.R. No. 260 - Tenby Access Road R.M. of Lansdowne, Glenella & Westbourne 5.5 km	Grade Gravel	28,649.28
582	1358	P.T.H. No. 5 - North Limit 9-23-17W. R.M. of Ochre River 8.5 km	Calcium Chloride (8.5 km)	13,037.74
583	1196	P.T.H. No. 83 - Shell River R.M. of Shell River 2.0 km	Right-of-Way	5,756.40
586	1212	P.R. No. 486 - South R.M. of Swan River 6.6 km	Preliminary Engineering	1,532.49
	1219	P.R. No. 486 South R.M. of Swan River 6.6 km	Right-of-Way	441.97
587	1222	P.R. No. 268 - West R.M. of Minitonas 4.8 km	Preliminary Engineering	24,225.88
588	1214	P.T.H. No. 83 - North R.M. of Swan River 3.7 km	Grade Gravel	983.02
	1215	North of P.T.H. No. 83 - South of P.R. No. 487 R.M. of Swan River 5.3 km	Right-of-Way	50,249.86
	1216	North of P.T.H. No. 83 - South of P.R. No. 487 R.M. of Swan River 5.3 km	Preliminary Engineering	3,576.19

Table No. C3

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
601	1458	Alexander Access; Clyde Street - P.R. No. 250 R.M. of Whitehead 2.4 km	Preliminary Engineering	$ 6,102.40
604	1242	Carberry Access Road R.M. of North Cypress 0.6 km	Bituminous Pavement (0.6 km)	146,087.89
607	1388	Lorette Access: P.R. No. 405 - Seine River Bridge R.M. of Tache 0.3 km	Base Course Grade A.S.T.	13,537.93
	1426	Erickson Access Village of Erickson 2.0 km	Bituminous Pavement (2.0 km)	94,921.38
608	1111	Molson Access Road L.G.D. of Reynolds 4.0 km	Preliminary Engineering	1,518.86
612	1141	P.T.H. No. 7 - Propellant Plant R.M. of Rockwood 5.5 km	Seal Coat (5.5 km)	42,418.67
614	1410	Rathwell Access R.M. of South Norfolk 0.6 km	Bituminous Pavement (0.6 km)	76,933.79
619	1364	P.R. No. 482 - Shellmouth R.M. of Shellmouth 5.0 km	Calcium Chloride (5.0 km)	8,687.91
620	1398	St. Laurent Access: South Boundary Settlement Lot 18 R.M. of St. Laurent 4.8 km	Preliminary Engineering	772.69
620 & 636	1237	Cormorant & Moose Lake Roads Unorganied Territory	Calcium Chloride	40,417.51

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
622	1029	Winkler Access - South Railway Ave. - Stanley Ave. R.M. of Stanley 0.5 km	Grade (0.5 km) Base Course (0.5 km) Bituminous Pavement (0.5 km)	$ 250,756.65
626	1065	8th Avenue - West Govn't Rd. Town of Virden & R.M. of Wallace 0.4 km	Bituminous Pavement (0.4 km)	178,203.95
629	1096	Angusville Access R.M. of Silver Creek 2.1 km	Excavate Backfill Base Course (2.1 km) A.S.T. (2.1 km)	223,105.73
	1100	Angusville Access R.M. of Silver Creek 1.2 km	Right-of-Way	18,279.72
635	1102	Nelson House Access Unorganized Territory 3.5 km	Grade (3.5 km) Gravel (3.5 km)	115,043.46
	1309	Ruttan Mine Lake Access - South Indian Lake Ferry Site Unorganized Territory 51.0 km	Spot Grade Improvements Grade Gravel	23,708.23
Watchorn Bay Road	1238	North Jct. P.T.H. No. 6 - Watchorn Bay L.G.D. of Grahamdale 12.2 km	Preliminary Engineering	6,005.25
Shoal River Road	1114	West of Dawson Bay I.R. Unorganized Territory 8.0 km	Grade Gravel	13,534.82
	1115	West of Bell River - P.T.H. No. 10 Swan River Unorganized 10.8 km	Grade Gravel	672,770.32
	1217	Dawson Bay I.R. - Westerly Swan River Unorganized 8.5 km	Grade Gravel	9,850.91

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
Cormorant Road	1249	Cormorant Lake Causeway Unorganized Territory 1.3 km	Rock Grade Widening	$ 115,109.37
	1460	Km 25 - Km 31.4 Unorganized Territory 10.3 km	Grade Gravel	302,533.73
Mallard Road	1198	P.R. No. 328 - South of Section 32-34-15W. Unorganized Territory 14.3 km	Right-of-Way	338.33
	1199	P.R. No. 328 - South of Section 32-34-15W. Unorganized Territory 14.3 km	Grade Gravel	3,431.79
Leifur Road	1399	P.T.H. No. 50 - N.E. Corner of S.E. 22-20-10W. L.G.D. of Alonsa 5.6 km	Calcium Chloride (5.6 km)	8,287.73
Main Market Road	1425	Young Point Road - South of The Pas L.G.D. of Consol 0.8 km	Grade Install Culverts	241,836.91
Cross Lake Road	1313	North of P.R. No. 373 - Cross Lake Indian Reserve Unorganized Territory 36.4 km	Spot Grade Improvements	95,883.98
Proposed Route	1079	Shellmouth - Saskatchewan Border R.M. of Shellmouth 2.3 km	Preliminary Engineering	6,999.26
Main Road	1286	Berens River Indian Reserve Unorganized Territory 21.1 km	Grade Gravel	300,000.00
Harwill Main Market Road	1337	Over Fisher River, North of Lot 41, Sec. 30-26-1W. Peguis Indian Reserve No. 1B	Bridge Approaches	6,585.99

Highway	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
Broadlands Road	1020	Maskwa River - East of Section 31-17-11E. L.G.D. of Alexander 10.1 km	Right-of-Way	$ 330.00
	1328	P.R. No. 304 - Maskwa River L.G.D. of Alexander 6.4 km	Gravel	(2,309.03)
Miscellaneous				
	1000	Various Highways	Right-of-Way	25,473.55
	1001	District 1	Engineering Expenses	58,509.35
	1002	District 2	Engineering Expenses	98,079.27
	1003	District 3	Engineering Expenses	16,105.06
	1004	District 4	Engineering Expenses	11,971.64
	1005	District 5	Engineering Expenses	18,225.96
	1006	District 6	Engineering Expenses	32,303.66
	1007	District 7	Engineering Expenses	9,004.50
	1008	District 8	Engineering Expenses	25,458.08
	1009	District 9	Engineering Expenses	11,954.10
	1010	District 10	Engineering Expenses	43,964.23
	1011	District 11	Engineering Expenses	17,799.26
	1012	District 12	Engineering Expenses	15,592.72
	1015	Various Highways	Engineering Audit Survey	92,319.26
	1041	Lake St. George - Jackhead Road Unorganized Territory 19.8 km	Grade Gravel	10,961.86
	1269	P.T.H. No. 39 - Wekusko Lake L.G.D. of Snow Lake & Unorganized Territory 5.3 km	Preliminary Engineering	3,778.87

Table No. C3

Highway No.	Work Order No.	Location of Project	Nature of Work (km completed)	Expenditure
Miscellaneous				
	1321	Various P.T.H., Service Rds. & P.R. No. 238 West & East St. Paul, R.M. of St. Andrews, St. Clements, Springfield, Macdonald, Rosser & The City of Winnipeg	Calcium Chloride	$ 66,536.30
	1394	Vicinity of Selkirk R.M. of St. Andrews, St. Clements & West St. Paul	Corridor Study	138,354.99
	1416	Various Locations	Engineering Expenses	21,776.26
	1429	Flin Flon - Lynn Lake Unorganized Territory	Preliminary Engineering	82,661.38
	1481	Various Provincial Roads	Purchase of Computer Equipment	7,666.55
		Various Work Orders Incidental Amounts		1,916.11
		Bridge Projects (for details see Table No. B1)	*1.854.9	2,075,396.56
				$35,836,509.50

*Nature of Work completed in km

Bituminous Pavement	26.8
Calcium Chloride	1,068.0
Base Course	139.8
Grading	219.8
Gravelling	288.0
Concrete Pavement	0.0
Asphalt Surface Treatment	88.5
Seal Coat	24.0
	1,854.9

Table No. C6

WINTER TRUCK ROADS
CONSTRUCTION AND MAINTENANCE
APPROPRIATION 15-2B-1 & 15-2B-2

Work Order No.	Location	Project Kilometres	Description of Work	Expenditure
CWT 904	Vicinity of Split Lake - York Landing - Ilford	32	Construction & Maintenance	$ 57,386.02
908	South Bay - South Indian Lake	14	Construction & Maintenance	40,206.90
910			Consultant & Attorney - Payment	1,375.00
911	Shamattawa - Gillam	140	Construction & Maintenance	217.20
912	Gillam - Shamattawa	140	Construction & Maintenance	100,000.00
979	Cross Lake - Oxford House	92	Construction & Maintenance	2,246.10
980	Cross Lake - Oxford House	50	Construction & Maintenance	2,973.86
981	Cross Lake - Oxford House	36	Construction & Maintenance	3,069.64
982	East Channel - Nelson River & Cross Lake - Oxford House	64	Construction & Maintenance	4,630.92
983	Ilford - Split Lake & York Landing	32	Construction & Maintenance	117.92
984	Oxford House - God's Lake Narrows	36	Construction & Maintenance	1,709.81

Table No. C6

Work Order No.	Location	Project Kilometres	Description of Work	Expenditure
CWT 985	Hole River - Red Sucker Lake	814	Construction & Maintenance	$ 31,182.72
986	God's Lake Narrows - God's River	54	Construction & Maintenance	851.26
988	Hole River - Red Sucker Lake	814	Construction & Maintenance	1,789,592.24
989	East Channel - Nelson River	64	Construction & Maintenance	130,209.11
990	Oxford House - God's Lake Narrows	51.4	Construction & Maintenance	119,153.59
992	Cross Lake - Oxford House	92	Construction & Maintenance	150,347.96
993	Cross Lake - Oxford House	50	Construction & Maintenance	89,989.69
994	Oxford House - God's Lake Narrows	36	Construction & Maintenance	70,208.61
995	God's Lake Narrows	54	Construction & Maintenance	115,562.29
996	Split Lake - York Landing - Oxford House	32	Construction & Maintenance	48,210.16
				*$2,759,241.00

*Appropriation Summary

15-2B-1	199,185.12
15-2B-2	2,560,055.88
	$2,759,241.00

BRIDGES AND TRANSPORTATION STRUCTURES CONSTRUCTED, RECONSTRUCTED AND REPAIRED INCLUDING OPERATION OF FERRIES APPROPRIATIONS 15-2D-3 & 15-8A

Table No. B1

Highway	Work Order No.	Location	Description of Work	Expenditure
15-2D-3 Provincial Trunk Highways and Provincial Roads				
	0800	Bridge Yard, Winnipeg 1550 Dublin Avenue	Maintenance of Bridge Yard and Building	$ 40,739.23
	0801	Bridge Yard and Warehouse; Beausejour R.M. of Brokenhead	Maintenance of Bridge Yard and Building	1,729.15
	0802	Bridge Yard and Warehouse; Dauphin R.M. of Dauphin	Maintenance of Bridge Yard and Building	3,048.28
321	0803	Explosive Magazine Yard-Miller Road R.M. of W. St. Paul	Maintenance of Explosive Magazine and Yard	1,346.46
Various	0804	Various P.T.H.'s and P.R.'s	Bridge Maintenance, Patching of Concrete Decks, Joint Repairs, Concrete Rail Post Replacement	141,439.42
Various	0805	Various P.T.H.'s and P.R.'s	Bridge Maintenance, Painting of Bridges	262,870.72
100 & 101	0806	Various Winnipeg Perimeter Bridges	Maintenance of Bridge Slopes	7,040.72
Various	0807	Various P.T.H.'s	Inspection of Bridges and Structures	4,485.85
Various	0808	Various P.R.'s	Inspection of Bridges and Structures	4,303.28
Various	0809	Various P.R.'s	Bridge Maintenance - Installation of Lateral Restraint Rods	5,334.36
352	0810	Whitemud River R.M. of Landsdowne	Repair of Concrete Guardrail	3,426.86

Table No. B1

Highway	Work Order No.	Location	Description of Work	Expenditure
329 & 9	0811	Icelandic River & Willow Creek R.M. of Bifrost & Gimli	Structural Repairs	$ 2,404.81
350 & 16	0812	Pine Creek & Whitemud River	Substructure Repairs and Channel Cleanup	719.34
240	0813	Assiniboine River R.M. of Portage la Prairie	Truss Members and Substructure Repairs	23,537.29
1 & 25	0815	Various Structures	Pipe Curb Repairs	604.80
	0816	Mud Lake Drain Main Market Road L.G.D. of Grahamdale	Substructure Repairs	1,567.81
T.C.H. 1W.	0817	Assiniboine River at Norquay Beach R.M. of Portage la Prairie	Expansion Dam Repairs	540.74
352 & 332	0818	Various Structures	Guardrail Repairs	9,048.61
Various	0819	Various Structures	General Cleanup Bridge Maintenance	18,668.21
100 & 204	0820	Letellier Overpass & Red River in Selkirk Parish of St. Norbert City of Winnipeg & R.M. of St. Clements	Installation of Louvered Steel Doors and Repair of Expansion Dams	9,233.19
Various	0822	Various P.T.H.'s & P.R.'s	Painting of Bridges	175,513.75
352	0823	Pine Creek R.M. of Lansdowne	Guardrail & Sway Bracing Repairs	1,764.53
245	0824	Boyne River R.M. of Dufferin	Wingwall Repairs	777.34

Highway	Work Order No.	Location	Description of Work	Expenditure
245	0825	Boyne River R.M. of Dufferin	Stringer & Guardrail Repairs	$ 1,272.11
582	0826	Ochre River Bridge R.M. of Ochre River	Remedial Maintenance Works	15,626.86
313	0827	Winnipeg River Bridge R.M. of Lac du Bonnet	Bridge Maintenance	1,172.88
304	0828	Winnipeg River L.G.D. of Alexander	Bridge Maintenance	683.38
Various	0829	Various	Workers Compensation Costs	13,761.35
250	0830	Assiniboine River Overflow	Substructure Repairs	3,143.69
325	0831	West Branch of Fisher River; Fisherton Road L.G.D. of Fisher	Substructure & Hubrail Repairs	7,060.42
26	0832	Long Lake Drain R.M. of St. Francois Xavier	Substructure and Guardrail Repairs	2,914.01
83, 21 & 14	0833	Antler River, Assiniboine River, Drain, R.M. of Arthur, Woodworth & Montcalm	Guardrail Repairs	11,054.64
T.C.H. 1W.	0834	Various Structures	T.C.H. Guardrail Panel Repairs	8,152.05
276	0835	Hamlin Drain R.M. of Lawrence	Substructure Repairs	7,027.84
8, 274 & 366	0836	Wavey Creek, Spruce Creek & Sulphur Spring Creek, R.M. of St. Andrews Dauphin & Grandview	Repair Cracked Stringers and Ice Breaker Pile	5,668.55

Highway	Work Order No.	Location	Description of Work	Expenditure
59	0837	Prairie Grove Drain R.M. of Ritchot	Repair Guardrail	$ 884.19
26	0838	P.T.H. No. 26 R.M. of St. Francois Xavier	Replace Timber Pile Caps	8,340.01
269	0839	Mossey River R.M. of Mossey River	Replace Broken Stringers	5,313.74
	0840	Austin Museum	Purchase of Materials	4,589.09
21	0841	Assiniboine River R.M. of Whitehead	Purchase of Materials	3,688.09
16	0842	P.T.H. No. 16 R.M. of Westbourne	Purchase of Bridge Guardrail	883.40
305	0843	Morris River R.M. of Macdonald	Replacement of Guardrail	320.39
			Maintenance	821,701.44
Ferries				
340	0814	Treesbank Ferry over Assiniboine River R.M. of South Cypress	Complete the Construction of New Ferry	16,060.50
	0821	Treesbank Ferry over Assiniboine River R.M. of South Cypress	Operation and Maintenance of Ferry	40,044.29
			15-2D-3 Total	877,806.23
15-8A Provincial Trunk Highways				
50	8640	Access Crossing R.M. of McCreary	Bridge Construction	8,365.75
50	8641	Access Crossing R.M. of McCreary	Bridge Construction	7,453.25
1	8676	Drain, Eastbound Lanes R.M. of Whitehead	Reinforced Concrete Box Culvert Construction	128,234.61

Highway	Work Order No.	Location	Description of Work	Expenditure
1	8678	Overpass over P.R. No. 459 R.M. of Whitehead	Reinforced Concrete Rigid Frame Overpass	$ 567,240.00
44	8704	Cooks Creek R.M. of St. Clements	Bridge Construction	575,640.32
4	8722	Red River Bridge R.M. of St. Andrews & St. Clements	Consulting Engineering Services	44,975.73
4	8723	Red River Bridge R.M. of St. Andrews & St. Clements	Bridge Construction	3,018,860.68
101	8797	Grade Separation P.R. No. 221 R.M. of Rosser	Bridge Deck Resurfacing	355,931.03
4	8826	Cloverdale Drain R.M. of St. Andrews	Reinforced Concrete Box Culvert Construction	124,284.09
8	8835	Boundary Creek R.M. of Gimli	Concrete Culvert Extension	74,569.82
1	8843	Drain R.M. of Whitehead	Bridge Construction	69,517.35
50	8847	Drain, Access Road R.M. of McCreary	Bridge Construction	45,019.84
50	8849	Drain, Farm Access R.M. of McCreary	Bridge Construction	58,337.43
10	8854	Drain, Access Crossing R.M. of Minto	Bridge Construction	43,189.78
59	8855	Roseau River R.M. of Franklin	Bridge Construction	402,259.71
75	8856	Roberts McTavish Drain, Service Road R.M. of Morris	Bridge Construction	35,646.80

Highway	Work Order No.	Location	Description of Work	Expenditure
50	8858	Drain, Farm Access R.M. of McCreary	Bridge Construction	$ 51,413.65
16	8863	In Drain R.M. of Langford	Reinforced Concrete Box Culvert Construction	3,595.85
N.A.	8868		Bridge Equipment	66,905.90
59	8871	Red River Floodway R.M. of Ritchot	Deck Resurfacing and Curb Repairs	22,500.00
Miscellaneous				
	8615	Various	General Engineering	9,684.08
	8616	Various	Sub Surface Soil Exploration	55,674.77
Yellowhead Route				
16	9808	Arrow Creek R.M. of Birtle	Reinforced Concrete Box Culvert Construction	133,405.98
			Provincial Trunk Highways	5,902,706.42
15-8A Provincial Roads				
435	1030	Selkirk Line East Drain, R.M. of Brokenhead	Bridge Construction	3,323.13
256	1057	Town of Elkhorn R.M. of Wallace	Repair and Remove Shoo-fly Detour	12,134.66
718	1081	Goose River E.D. of Flin Flon	Bridge Construction	10,422.17
366	1082	Silver Creek R.M. of Grandview	Bridge Construction	33,769.26
341	1083	Little Pembina River R.M. of Morton	Bridge Construction	26,926.42
344	1084	Orthez Drain R.M. of Riverside	Bridge Construction	39,413.47

Table No. B1

Highway	Work Order No.	Location	Description of Work	Expenditure
484	1085	Big Boggy Creek R.M. of Shell River	Bridge Construction	$ 8,927.27
256	1086	Bosshill Creek R.M. of Wallace	Bridge Construction	32,980.80
471	1087	P.R. No. 471 R.M. of Rosedale	Bridge Construction	35,704.13
269	1089	Rice Lake Drain R.M. of Mossey River	Bridge Construction	32,081.05
233	1145	Washow Bay Drain R.M. of Bifrost	Bridge Construction	87,145.46
373	1146	Jack River Norway House	Engineering Study	14,447.69
234	1165	Washow Bay Drain R.M. of Bifrost	Bridge Construction	531,893.78
466	1239	P.R. No. 466 R.M. of Rosedale	Bridge Survey and Design	5,706.52
213	1253	Cooks Creek R.M. of Springfield	Bridge Construction	67,450.40
588	1347	P.R. No. 588 R.M. of Swan River	Bridge Construction	79,169.24
355	1419	Minnewasta Creek R.M. of Miniota	SPCSP Culvert Installation	50,124.16
455	1420	P.R. No. 455 R.M. of Whitehead	Culvert Extension	27,292.34
240	1431	Overhill Drain R.M. of Portage la Prairie	Culvert Installation	117,333.17
362	1436	Deadmans Creek R.M. of Dauphin	Bridge Construction	108,965.18

Table No. B1

Highway	Work Order No.	Location	Description of Work	Expenditure
217	1443	Marsh River R.M. of Franklin	Bridge Construction	$ 90,226.51
360	1451	La Belle Drain R.M. of Ste. Rose	CSP Installation	1,231.84
338	1453	Graham Creek Tributary R.M. of Thompson	Bridge Construction	48,225.41
261	1454	Glenelle Drain	Bridge Construction	42,267.30
507	1455	Whitemouth River L.G.D. of Reynolds	Bridge Construction	250,826.52
304	1456	Winnipeg River L.G.D. of Alexander	Bridge Deck Restoration	35,220.50
305	1457	Barnsley Drain R.M. of Dufferin	Bridge Construction	44,751.86
466	1466	Neepawa Creek R.M. of Rosedale	Bridge Construction	49,723.07
261	1472	North Ditch P.R. No. 261 R.M. of Glenella	Bridge Material	185.75
261	1474	North Ditch P.R. No. 261 R.M. of Glenella	Bridge Construction	47,029.24
Miscellaneous				
	1013		General Engineering	66,680.77
	1014		Sub-Surface Soil Exploration	73,817.49
			Provincial Roads	2,075,436.56

Highway	Work Order No.	Location	Description of Work	Expenditure
Appropriation Summary				
15-2D-3		Maintenance	$ 821,701.44	
		Ferries	56,104.79	
			877,806.23	$ 877,806.23
15-8A		P.T.H.	5,902,706.42	
		P.R.	2,075,396.56	
			7,978,103.98	7,978,103.98
			GRAND TOTAL	$ 8,855,910.21

MAINTENANCE CONTINGENCIES
PROVINCIAL TRUNK HIGHWAYS
APPROPRIATION 15-2A

Table No. M1

Highway	Work Order No.	Location of Project	Nature of Work	Expenditure
1	714	South Service Road East of Portage la Prairie 0.2 km	Grade Repair and Gravel	$ 7,537.46
2	717	P.T.H. No. 18 to South Jct. P.T.H. No. 10 25.6 km	Bituminous Repairs	19,211.05
10	707	P.R. No. 366 to P.T.H. No. 20	Bituminous Repairs	39,055.64
11	712	P.R. No. 506 to Vicinity of Elma 3.3 km	Grade Repair	49,912.58
12	706	North of Anola	Bituminous Repairs	20,976.76
15	710	Vicinity of Anola	Grade Repair	14,807.61
	713	Elma to Contour 3.8 km	Grade Repair	59,902.55
	724	Various Locations	Brush Cutting	10,024.48
44	711	Beausejour - West	Bituminous Repairs	36,181.60
59	716	At P.T.H. No. 44 Interchange Southbound	Sign Replacement	18,804.22
				276,413.95

MAINTENANCE SPECIAL PROJECTS
PROVINCIAL TRUNK HIGHWAYS
APPROPRIATION 15-2A

Table No. M2

Highway	Work Order No.	Location of Project	Nature of Work	Expenditure
1	504	Symington Overpass	Drainage & Erosion Control	$ 21,050.47
	508	Symington Overpass to Navin Road	Concrete Repairs	18,522.23
	520	P.R. No. 441 - Saskatchewan Border 19.3 km	Shoulder Repairs	5,272.03
	521	P.R. No. 259 - P.R. No. 441 22.4 km	Bituminous Repairs	16,698.94
	603	P.T.H. No. 16 - P.T.H. No. 26 32.0 km	Concrete Repairs	59,192.79
	605	P.R. No. 248 - Norquay Park 30.0 km	Bituminous Centre Line Repairs	45,703.56
	606	P.T.H. No. 26 - P.T.H. No. 13 40.0 km	Tree Bed Maintenance	14,943.06
	612	P.T.H. No. 13 - P.T.H. No. 26 Westbound 16.0 km	Rout and Crackfill	25,907.61
	613	West Interchange - P.T.H. No. 16 6.4 km	Rout and Crackfill	27,538.39
1A	540	Assiniboine River Southbound	Install Guardrail	2,194.85
2 & 3	652	Starbuck - P.R. No. 334 Oakbluff - Sanford 28.0 km	Concrete Repairs	45,041.62
	654	Elm Creek - St. Claude 26.0 km	Rout and Crackfill	54,700.37
3	506	Winnipeg - 1 km East of P.T.H. No. 100	Concrete Repairs	12,499.48
	537	P.T.H. No. 83 - Saskatchewan Boundary 27.6 km	Seal Coat	163,545.70

Highway	Work Order No.	Location of Project	Nature of Work	Expenditure
3 & 14	593	P.T.H. No. 31 - P.T.H. No. 32 26.4 km	Bituminous Repairs	$ 13,142.80
3	594	P.T.H. No. 13 - P.T.H. No. 23 14.5 km	Bituminous Repairs	20,014.38
	653	Brunkild - East 4.0 km	Shoulder Restoration	42,596.69
5	543	P.T.H. No. 2 - North 5.0 km	Shoulder Restoration	21,312.35
	547	5.0 km East of P.R. No. 274 - 2.0 km West of P.R. No. 366 18.5 km	Rout and Crackfill	35,148.12
	552	S.D.B. - 8.0 km North of P.R. No. 480 23.0 km	Rout and Crackfill	58,599.81
	556	Dauphin By-Pass 5.0 km	Rout and Crackfill	14,589.57
6	562	Ponton to Sasaqui Rapids	Bituminous Repairs	25,000.69
	563	Minago River - Ponton	Bituminous Repairs	19,671.06
	564	Sasaqui Rapids - Thompson	Bituminous Repairs	29,912.74
7	516	Winnipeg - North of P.T.H. No. 101	Bituminous Repairs	18,500.54
	617	P.R. No. 229 - P.T.H. No. 68 44.3 km	Bituminous Repairs	21,128.62
8	526	North of P.T.H. No. 27 North Bound Lanes	Concrete Repairs	8,750.33
	527	P.T.H. No. 67 - P.R. No. 229 43.5 km	Bituminous Repairs	59,824.11
9	514	Winnipeg - P.T.H. No. 44	Bituminous Repairs	52,999.33
	615	Gimli - South 12.9 km	Bituminous Repairs	12,335.85

Highway	Work Order No.	Location of Project	Nature of Work	Expenditure
10	545	Daly Overpass North Approach	Install Guardrail	$ 11,329.06
	577	Through the Bog	Bituminous Repairs	19,750.85
	586	P.T.H. No. 39 - Flin Flon	Shoulder Restoration	8,218.28
	587	P.T.H. No. 39 - Flon Flon	Bituminous Repairs	25,180.40
	626	Minnedosa By-Pass	Rout and Crackfill	52,343.30
	630	P.R. No. 277 - Overflowing River	Bituminous Repairs	35,203.60
	635	Vicinity of Roaring River	Drainage Improvements	10,394.97
12	574	Steinbach - P.R. No. 210	Bituminous Repairs	34,091.71
13	604	P.T.H. No. 1 - S.D.B. 17.4 km	Bituminous Repairs	19,939.50
	665	S.D.B. to 3.0 km North 3.0 km	Rout and Crackfill	6,329.35
	666	Carman - N.D.B. 33.0 km	Rout and Crackfill	33,491.78
14 & 30	655	P.T.H. No. 30 - Plum Coulee U.S. Border - Altona 16.0 km	Rout and Crackfill	31,821.65
15	524	Elma - Contour 10.0 km	Bituminous Repairs	15,415.44
	531	Contour - Brokenhead River 17.7 km	Bituminous Repairs	14,793.43
16	614	P.T.H. No. 50 - P.R. No. 350 9.6 km	Rout and Crackfill	11,322.91
	625	P.T.H. No. 21 - P.R. No. 474 24.3 km	Rout and Crackfill	54,907.90
	640	Saskatchewan - 2 km East 2.0 km	Bituminous Repairs	13,942.56
	649	East of Foxwarren	Install Heat Cable	2,573.22
	661	Arden Ridge - Shoal Lake	Bituminous Repairs	49,867.12

Highway	Work Order No.	Location of Project	Nature of Work	Expenditure
17	622	P.R. No. 329 - P.R. No. 325 26.3 km	Seal Coat	$151,399.39
18	533	P.T.H. No. 23 to N.D.B. 14.8 km	Seal Coat	77,089.07
	541	P.T.H. No. 2 to S.D.B. 3.2 km	Seal Coat	23,430.68
20	627	P.R. No. 271 - S.D.B.	Bituminous Repairs	5,695.43
21	638	Shoal Lake - P.R. No. 355 18.0 km	Seal Coat	122,883.48
	641	In Oakburn	Install Drainage Grates	4,987.44
23	538	P.T.H. No. 18 - P.T.H. No. 10 29.5 km	Seal Coat	178,391.29
	539	P.T.H. No. 34 - P.T.H. No. 5	Bituminous Repairs	36,698.69
	595	Rosebank - P.T.H. No. 3 8.0 km	Rout and Crackfill	23,852.72
	596	Altamont - P.T.H. No. 34 22.4 km	Bituminous Repairs	31,832.17
24	637	P.T.H. No. 21 - P.T.H. No. 83 31.3 km	Seal Coat	183,798.36
26	608	P.R. No. 248 - West Jct. P.T.H. No. 1 32.0 km	Bituminous Repairs	38,185.74
42	642	Birtle - East	Seal Wheel Paths	9,942.91
	644	P.T.H. No. 21 - West	Seal Wheel Paths	9,878.48
44	522	P.R. No. 301 - P.R. No. 307 30.2 km	Bituminous Repairs	82,755.83
	532	P.R. No. 214 - P.T.H. No. 12 25.7 km	Bituminous Repairs	29,714.79

Table No. M2

Highway	Work Order No.	Location of Project	Nature of Work	Expenditure
50	550	P.R. No. 278 - 12.5 km West of Alonsa 22.2 km	Seal Coat	$119,593.19
59	569	P.T.H. No. 52 - St. Malo 28.0 km	Rout and Crackfill	61,041.07
	576	P.R. No. 403 - U.S.A. 44.0 km	Seal Coat	279,142.97
	668	Libau - North 36.0 km	Mechanical Brushing	15,425.29
68	621	P.T.H. No. 17 - P.T.H. No. 7 27.5 km	Bituminous Repairs	14,844.84
75	568	Emerson Park	General Maintenance	14,829.07
83	628	P.R. No. 367 - P.T.H. No. 49	Bituminous Repairs	12,108.18
	629	Durban to Swan River	Bituminous Repairs	24,661.86
100	507	St. Anne's Road - P.T.H. No. 1 East	Concrete Repairs	72,357.51
	509	P.R. No. 330 - 2.0 km West 2.0 km	Ditching and Erosion Control	19,096.20
	510	P.R. No. 427 - P.T.H. No. 3 Eastbound	Rout and Crackfill	46,213.10
	511	Service Roads Near P.R. No. 241	Bituminous Repairs	19,800.87
101	512	P.R. No. 425 - P.R. No. 221 North & South Bound	Concrete Repairs	79,945.51
	515	P.T.H. No. 6 - P.T.H. No. 8 East & West Bound	Concrete Repairs	87,983.86
	517	Sperring Avenue - C.P.R. Tracks	Ditching and Erosion Control	6,158.64
	667	At Jct. P.T.H. No. 6 North & South Bound 1.2 km	Surface Planning and Bituminous Overlay	35,848.09

Table No. M2

Highway	Work Order No.	Location of Project	Nature of Work	Expenditure
Various	503	District Twelve	Tree Bed Care	$ 54,000.19
	518	All Districts	Special Roadside Cleanup	61,088.28
	534	District Four	Spot Sealing	73,236.38
	582	District Ten	Hand Brushing	20,292.87
	583	District Ten	Mechanical Brushing	30,355.32
	633	District Nine	Mechanical Brushing	24,913.93
	645	District Seven	Mechanical Brushing	9,457.07
Misc.	535	International Peace Garden	Maintenance	8,029.52
MTSC	566	All Districts	Workman's Compensation	164,181.85
				3,782,397.25

MAINTENANCE CONTINGENCIES — Table No. M4
PROVINCIAL ROADS
APPROPRIATION 15-2A

Highway	Work Order No.	Location of Project	Nature of Work	Expenditure
204	708	Vicinity of P.T.H. No. 101 Interchange 0.4 km	Shoulder Restoration	$ 3,403.05
220	715	P.T.H. No. 67 - Oak Hammock Marsh 4.0 km	Grade Repair & Dust Treatment	15,037.25
262	721	P.T.H. No. 16A - P.R. No. 265	Bituminous Repairs	4,446.05
304	719	Town of Bissett	Drainage Improvements	9,200.69
	720	Manigotogan to Bissett 48.3 km	Mechanical Brushing	9,797.37
316	718	'W' Drain	Temporary Bridge Replacement	4,020.47
373	725	Sea River Falls	Construct Ice Bridge	15,413.33
457	709	CPR Crossing 4.0 km East of Brandon	Install Guardrail	1,366.86
Various	700	Various Districts	Training for Dangerous Goods & Herbicides	30,708.34
	701	Various Districts	Advertising for Spring Road Restrictions	22,239.88
	702	Various Roads	Mobilize the Seal Coat Crews	14,771.91
	703	Various Districts	Repair Benkleman Beam Equipment	2,100.89
	704	Various Roads	Mobilize Routing & Filling Crews & Concrete Crew	39,379.96
	705	Various Districts	Hearing Conservation Program	28,003.44

Table No. M4

Highway	Work Order No.	Location of Project	Nature of Work	Expenditure
Various	722	Piney Maintenance Yard	Insulate Storage Shed	$ 5,121.16
				$205,010.65

MAINTENANCE SPECIAL PROJECTS
PROVINCIAL ROADS
APPROPRIATION 15-2A

Table No. M5

Highway	Work Order No.	Location of Project	Nature of Work	Expenditure
200	573	P.R. No. 201 - P.R. No. 209	Bituminous Repairs	$ 14,093.92
201 & 338	592	Osterwick - West - Miami - North 1.6 km	Reshaping	7,874.76
205	575	P.R. No. 216 - 1 km West of P.T.H. No. 59 10.0 km	Seal Coat	72,555.92
206	530	P.T.H. No. 15 - P.T.H. No. 1 11.6 km	Seal Coat	90,040.72
	570	P.R. No. 311 - P.R. No. 207	Bituminous Repairs	22,306.43
207	501	P.T.H. No. 1 - P.T.H. No. 15 7.5 km	Seal Coat	58,183.48
	572	East of Lorette - P.T.H. No. 1	Bituminous Repairs	13,211.63
213	529	P.R. No. 207 - P.R. No. 206 6.4 km	Dust Treat Truck Climbing Lanes	4,291.77
221	513	P.T.H. No. 101 - P.R. No. 412	Bituminous Repairs	80,017.12
	664	P.T.H. No. 7 - P.T.H. No. 101	Bituminous Repairs	24,075.14
227	611	P.R. No. 240 - P.T.H. No. 16 16.3 km	Gravelling	9,791.23
229	620	Komarno - P.R. No. 416 & Inwood 17.6 km	Seal Coat	154,445.16
230	528	P.T.H. No. 8 - P.T.H. No. 67 9.0 km	Seal Coat	65,031.34

Highway	Work Order No.	Location of Project	Nature of Work	Expenditure
234 & 325	657	P.R. No. 325 - Beaver Creek 24.2 km	Gravelling	$ 31,566.72
241	609	P.T.H. No. 1 - P.R. No. 248 19.5 km	Gravelling	15,251.50
242	597	P.T.H. No. 3 - U.S.A. Border 25.6 km	Seal Coat	249,501.33
244	598	P.T.H. No. 3 - P.T.H. No. 23 16.4 km	Bituminous Repairs	32,423.82
248	601	P.T.H. No. 1 - South District Boundary 13.5 km	Seal Coat	108,856.86
	602	P.R. No. 227 - P.T.H. No. 6 15.0 km	Seal Coat	80,189.39
	607	P.T.H. No. 1 - P.T.H. No. 26 14.0 km	Bituminous Repairs	19,099.22
	650	P.T.H. No. 2 - North District Boundary 7.0 km	Seal Coat	43,592.55
249	610	P.R. No. 240 - P.T.H. No. 16 12.8 km	Gravelling	8,009.01
250	544	P.R. No. 349 - South 6.5 km	Bituminous Repairs	9,727.36
254	643	Thru Rossburn	Bituminous Repairs	15,707.41
256	536	P.T.H. No. 3 - P.R. No. 345 24.6 km	Seal Coat	134,556.79
257	519	P.T.H. No. 83 - Saskatchewan Border 32.6 km	Bituminous Repairs	30,439.42
259	662	Assiniboine River - P.T.H. No. 21	Bituminous Repairs	36,383.21
262	648	P.T.H. No. 10 - P.T.H. No. 16	Bituminous Repairs	44,527.76

Highway	Work Order No.	Location of Project	Nature of Work	Expenditure
266	631	Birch River - 1.6 km South 1.6 km	Seal Coat	$ 14,965.60
269	549	Ethelbert - East Boundary of the R.M. of Ethelbert 8.6 km	Seal Coat	66,039.85
274	548	East Jct. P.T.H. No. 5 - South 16.6 km	Seal Coat	126,111.86
276	553	P.T.H. No. 5 - P.R. No. 364 40.0 km	Bituminous Repairs	10,259.20
287	578	The Pas Airport East	Bituminous Repairs	19,076.08
291	585	Flin Flon - Channing	Bituminous Repairs	13,521.49
300	500	North Jct. P.T.H. No. 59 - South Jct. P.T.H. No. 59 5.3 km	Seal Coat	50,150.38
305	600	P.T.H. No. 1 - Assiniboine River 13.7 km	Seal Coat	78,496.33
307	523	P.T.H. No. 11 - P.T.H. No. 44 53.0 km	Bituminous Repairs	41,676.05
311	571	P.T.H. No. 12 - P.R. No. 206	Bituminous Repairs	12,501.92
325	623	P.T.H. No. 17 - P.R. No. 224 11.0 km	Seal Coat	38,660.04
329	619	P.T.H. No. 8 - Riverton 1.8 km	Bituminous Repairs	11,427.50
331	599	P.R. No. 240 - P.T.H. No. 13 19.2 km	Seal Coat	143,306.49

Highway	Work Order No.	Location of Project	Nature of Work	Expenditure
351	542	West Jct. P.T.H. No. 1 - Carberry 10.0 km	Bituminous Repairs	$ 39,559.28
357	659	P.T.H. No. 10 - P.R. No. 466 20.6 km	Seal Coat	121,345.77
359	647	North of P.R. No. 270	Grade Repair	17,984.89
363	546	P.T.H. No. 83 - Saskatchewan Boundary 8.9 km	Bituminous Repairs	13,794.84
366 & 367	632	S.D.B. - P.R. No. 367 E.D.B. - P.R. No. 366	Gravelling	7,671.66
366	636	Vicinity of East Favel River	Drainage Improvements	5,212.68
391	558	Watsko Lake - Hughes Lake 34.6 km	Seal Coat	270,133.41
	565	Leaf Rapids - Lynn Lake	Bituminous Repairs	40,378.83
392	581	P.T.H. No. 39 - Snow Lake	Bituminous Repairs	29,768.64
	584	P.T.H. No. 59 - Wekusko	Grade Repair	6,819.67
394	559	Vandekerchove - Co-op Point 50.0 km	General Maintenance	7,499.82
417	590	P.T.H. No. 6 - Lake Manitoba 24.6 km	Picking Stones	5,332.22
419	591	P.T.H. No. 6 - Lake Manitoba 18.0 km	Picking Stones	5,194.37
478	656	P.T.H. No. 16 - West	Seal Wheel Paths	11,176.39
480	551	Laurier - Henderson Creek 8.0 km	Grade Repair	7,903.27
Access Roads	525	Petersfield 6.0 km	Bituminous Repairs	10,011.87

Highway	Work Order No.	Location of Project	Nature of Work	Expenditure
Access Roads	589	Gypsumville 6.9 km	Grade Repairs	$ 8,501.03
	624	St. Laurent 7.7 km	Bituminous Repairs	16,425.81
	651	Sperling 1.4 km	Bituminous Repairs	13,360.38
	579	P.T.H. No. 10 - Manfor	Bituminous Repairs	14,226.63
Other	560	Norway House Internal Roads 40.0 km	Winter Maintenance	45,370.53
	561	Norway House Internal Roads 40.0 km	Summer Maintenance	86,619.96
	580	Manfor Roads	General Maintenance	58,822.80
	658	Norway House Internal Roads 23.0 km	Dust Control	58,772.88
	663	Norway House Internal Roads Jack River Bridge	Bridge Repair	71,085.78
Various	557	Various Locations District 8	Mechanical Brushing	32,141.22
	634	Various Locations District 9	Brush Spraying	7,212.02
	646	Various Locations Minnedosa - Neepawa Area	Gravelling	26,176.31
	660	L.G.D. of Churchill	Bituminous Repairs	8,485.08
Misc.	554	Waterhen Maintenance Yard	Fencing and Drainage	4,985.03
	555	Waterhen Maintenance Yard	Construct Salt Bin	13,220.85
	588	Eriksdale Maintenance Yard	Repair Storage Shed	15,000.00
	618	Poplarfield Maintenance Yard	Insulate Asphalt Tank	3,047.37
	669	Powerview	Install Asphalt Storage Tank	5,895.30
				$3,191,080.35

Table No. M7

MAINTENANCE EXPENDITURES
PROVINCIAL TRUNK HIGHWAYS AND PROVINCIAL ROADS
APPROPRIATION 15-2A

	Provincial Trunk Highways	Provincial Roads	Total
Summer Maintenance	$ 9,507,226.19	$16,263,769.82	$25,770,996.01
Winter Maintenance	6,324,276.98	6,301,463.24	12,625,740.22
Special Projects	3,782,397.25	3,191,080.35	6,973,477.60
Contingencies	276,413.95	205,010.65	481,424.60
Sub Total	19,890,314.37	25,961,324.06	45,851,638.43
Vacation and Sick Leave			3,143,511.47
Maintenance Management			292,208.93
Administrative Overheads			(38,200.71)
Materials Holding Account			158,223.79
Undistributed Retro-Active Wages			20,511.43
Total			$49,427,893.34

Table No. M8

MAINTENANCE
PROVINCIAL TRUNK HIGHWAYS
APPROPRIATION 15-2A

Highway	Kilometres	Summer Expenditure	Winter Expenditure	Total Expenditure	*Cost per km
1	465.7	$1,359,791.94	$ 901,729.19	$2,261,521.13	$4,856
2	314.9	340,608.22	164,372.09	504,980.32	1,604
3	396.7	664,912.54	141,733.55	806,646.09	2,033
4	6.4	36.30	3,650.85	3,687.15	576
5	400.6	379,083.18	238,840.84	617,924.02	1,542
6	742.4	733,806.49	682,966.69	1,416,773.17	1,908
7	104.6	136,037.13	68,034.93	204,072.06	1,951
8	169.8	151,607.30	92,441.70	244,049.00	1,437
9	84.5	168,158.43	88,575.56	256,733.99	3,038
1A	30.7	103,352.23	97,504.23	200,856.46	6,543
10	723.1	713,764.82	736,522.50	1,450,287.33	2,006
11	146.8	174,584.99	114,982.57	289,567.56	1,973
12	259.3	278,874.09	266,764.48	545,638.57	2,104
13	50.4	44,635.64	37,629.09	82,264.73	1,632
14	50.4	73,033.85	31,665.43	104,699.28	2,077
15	75.5	108,246.20	94,429.56	202,675.75	2,684
16	260.7	304,875.29	141,428.50	446,303.79	1,712
17	122.3	90,392.13	69,208.47	159,600.60	1,305
18	55.4	40,604.11	19,205.06	59,809.17	1,080
19	5.0	6,002.84	7,318.05	13,320.88	2,664
20	169.9	135,939.35	108,731.58	244,670.93	1,440
21	176.2	207,796.88	62,182.16	269,979.04	1,532
22	20.9	13,133.85	12,896.32	26,030.16	1,245
23	266.3	396,665.53	121,044.05	517,709.58	1,944
24	80.5	96,177.41	40,657.05	136,834.46	1,700
25	28.2	26,065.50	11,195.96	37,261.46	1,321
26	64.4	72,956.27	59,642.22	132,598.49	2,059
27	2.9	8,603.62	1,388.29	9,991.91	3,445
29	0.5	2,569.30	2,256.85	4,826.14	9,652
3A	11.3	10,643.46	2,534.88	13,178.33	1,166
30	21.9	20,188.02	21,229.90	41,417.91	1,891
31	22.7	28,343.63	16,351.61	44,695.24	1,969
32	22.7	12,435.52	16,214.70	28,650.22	1,262
34	124.2	121,005.57	71,000.80	192,006.38	1,546
39	164.3	111,470.10	127,394.31	238,864.41	1,454
41	70.6	81,458.71	25,230.79	106,689.50	1,511
42	52.5	56,778.08	25,212.38	81,990.46	1,562

Table No. M8

Highway	Kilometres	Summer Expenditure	Winter Expenditure	Total Expenditure	*Cost per km
44	118.9	$ 192,306.71	$ 172,779.00	$ 365,085.70	$3,071
45	106.1	80,335.47	54,216.74	134,552.21	1,268
49	1.6	459.25	1,162.32	1,621.57	1,013
5A	6.6	32,615.35	16,597.13	49,212.48	7,456
50	123.4	153,859.95	78,323.00	232,182.95	1,882
52	35.1	49,384.08	49,414.25	98,798.32	2,815
57	1.6	3,241.57	3,513.52	6,755.09	4,222
59	189.9	312,185.20	193,440.19	505,625.39	2,663
60	152.2	75,103.18	102,215.14	177,318.33	1,165
67	45.1	53,163.73	26,777.04	79,940.77	1,773
68	209.0	229,846.44	135,104.36	364,950.80	1,746
75	91.7	203,574.30	107,382.88	310,957.19	3,391
77	41.5	50,949.55	33,861.88	84,811.43	2,044
83	333.1	324,504.66	181,922.32	506,426.98	1,520
89	10.0	36,385.87	6,313.27	42,699.14	4,270
9A	7.7	20,662.70	48,187.66	68,850.35	8,942
10A	12.1	41,565.89	65,562.67	107,128.56	8,854
100	39.9	180,642.33	179,196.46	359,838.79	9,019
101	40.2	165,226.68	115,031.29	280,257.97	6,972
16A	9.0	7,606.36	21,337.11	28,943.47	3,216
20A	5.1	18,968.40	7,771.56	26,739.96	5,243
	7,345.0	9,507,226.19	6,324,276.98	15,831,503.18	2,155

*The "Cost per km" is rounded off to the nearest dollar and includes overheads

Table No. M9

MAINTENANCE
PROVINCIAL ROADS
APPROPRIATION 15-2A

Provincial Road	Location	Kilometres	Summer Expenditure	Winter Expenditure	Total Expenditure	*Cost per km
Other Roads	District 10	252.7	$172,955.79	$ 85,577.37	$ 258,533.17	$1,023
200	Emerson - P.T.H. No. 100	95.8	117,658.05	63,035.62	180,693.67	1,886
201	Piney - P.T.H. No. 34	233.5	266,327.68	126,551.66	392,879.34	1,683
202	Birds Hill - Lockport	15.0	7,726.28	5,177.50	12,903.78	860
203	Piney - Woodridge - P.T.H. No. 12	46.3	48,348.67	11,070.82	59,419.49	1,283
204	P.T.H. No. 101 - East Selkirk	29.6	69,774.07	52,874.94	122,649.01	4,144
205	Sarto - Sperling	81.4	152,302.55	54,252.54	206,555.08	2,538
206	P.T.H. No. 52 - Lockport	59.9	80,550.78	44,459.17	125,009.96	2,087
207	East of Ste. Anne - P.T.H. No. 1E. - P.R. No. 213	57.1	67,350.87	61,926.67	129,277.54	2,264
209	Vita - Emerson	44.6	66,194.81	10,157.31	76,352.12	1,712
210	P.T.H. No. 12 - Ste. Anne - P.T.H. No. 75	112.8	177,923.28	70,984.83	248,908.11	2,207
211	Pinawa - P.T.H. No. 11	14.0	31,843.63	11,363.74	43,207.37	3,086
212	P.R. No. 206 - East Selkirk	23.7	19,693.71	17,973.05	37,666.75	1,589
213	P.T.H. No. 12 - P.T.H. No. 59	25.9	28,139.44	16,504.76	44,644.20	1,724
214	P.T.H. No. 44 - Milner Ridge - P.T.H. No. 11	25.9	10,285.44	11,233.04	21,518.48	831
215	Beausejour - P.T.H. No. 12	9.8	10,271.34	15,178.97	25,450.31	2,597
216	P.T.H. No. 59 - New Bothwell	34.8	39,481.08	19,234.70	58,715.78	1,687

Table No. M9

Provincial Road	Location	Kilometres	Summer Expenditure	Winter Expenditure	Total Expenditure	*Cost per km
217	Rosa - St. Jean Baptiste	37.8	$ 37,792.21	$ 18,797.41	$ 56,589.62	$1,497
218	Ridgeville - St. Malo	29.5	33,520.97	13,867.71	47,388.69	1,606
220	P.T.H. No. 9 - P.R. No. 223	20.3	30,844.12	7,743.00	38,587.12	1,901
221	P.T.H. No. 101 - Rosser - P.T.H. No. 26	48.0	106,314.55	35,544.98	141,859.53	2,955
222	Gimli - Riverton	42.6	26,211.85	21,539.98	47,751.83	1,121
224	P.R. No. 325 - Fisher Bay	45.1	53,695.19	17,750.03	71,445.21	1,584
225	Whytewold - P.T.H. No. 8	6.3	2,880.64	12,525.79	15,406.43	2,445
226	P.T.H. No. 68 - P.R. No. 233	14.8	7,158.13	5,329.20	12,487.33	844
227	Warren - Westbourne	69.0	162,286.40	14,921.48	177,207.88	2,568
229	Winnipeg Beach - Clarkleigh	76.1	98,493.53	25,323.56	123,817.09	1,627
230	P.T.H. No. 27 - Selkirk	10.6	7,873.98	7,782.19	15,656.16	1,477
231	Gimli - Narcisse	38.8	39,122.52	15,025.97	54,148.49	1,396
232	Matlock - Winnipeg Beach	10.0	7,976.26	7,284.00	15,260.25	1,526
233	P.T.H. No. 8 - Fisher Branch	56.6	64,775.94	12,879.24	77,655.17	1,372
234	Riverton - Matheson Island	93.5	140,864.60	24,126.62	164,991.22	1,765
236	P.T.H. No. 101 - Balmoral	35.4	50,934.59	7,459.05	58,393.63	1,650
237	Moosehorn - Spearhill	8.7	15,938.55	3,530.87	19,469.42	2,238
238	The River Road - Lockport	10.9	30,854.07	11,121.30	41,975.37	3,851
239	Grahamdale - Steep Rock	20.1	14,502.66	6,273.71	20,776.36	1,034
240	Darlingford - Delta	123.6	247,545.54	67,128.68	314,674.22	2,546
241	P.T.H. No. 100 - St. Eustache	43.9	105,460.68	49,217.51	154,678.18	3,523
242	Snowflake - Lake Manitoba	153.9	203,764.49	69,648.36	273,412.85	1,777
243	Emerson - Brown	74.8	139,119.44	39,232.26	178,351.70	2,384
244	Manitou - North Rathwell	66.5	97,932.93	23,795.54	121,728.47	1,831
245	Carman - P.T.H. No. 5	96.1	115,757.04	52,076.62	167,833.66	1,746

Table No. M9

Provincial Road	Location	Kilometres	Summer Expenditure	Winter Expenditure	Total Expenditure	*Cost per km
246	St. Joseph - P.T.H. No. 75 - P.R. No. 200	53.2	$ 85,435.63	$ 8,877.07	$ 94,312.70	$1,773
247	P.T.H. No. 75 - Elm Creek	64.5	148,785.98	27,645.71	176,431.68	2,735
248	Rosenort - P.T.H. No. 6	142.8	179,539.65	54,599.19	234,138.84	1,640
249	P.T.H. No. 26 - Macdonald	29.6	51,647.85	7,476.09	59,123.93	1,997
250	Souris - Rivers - P.R. No. 359	127.8	107,450.52	45,697.83	153,148.35	1,198
251	Goodlands - Saskatchewan Boundary	57.6	30,760.43	6,111.40	36,871.83	640
252	P.T.H. No. 3 - Reston - Hargrave	83.7	91,937.17	9,097.15	101,034.32	1,207
253	Pilot Mound - P.T.H. No. 18	61.3	51,623.84	17,961.26	69,585.09	1,135
254	P.R. No. 251 - Oak Lake - P.T.H. No. 83	260.1	301,260.41	88,557.08	389,817.49	1,499
255	Oak Lake Resort - Saskatchewan Boundary	52.6	65,313.43	10,176.67	75,490.10	1,435
256	United States Boundary-Elkhorn-McAuley	158.7	192,508.55	22,880.96	215,389.50	1,357
257	Virden - Saskatchewan Boundary	37.3	48,162.01	9,888.88	58,050.89	1,556
259	Wheatland - Virden	56.3	61,441.77	29,261.24	90,703.01	1,611
260	P.T.H. No. 16 - Alonsa	72.9	102,520.95	20,375.88	122,896.83	1,686
261	Amaranth - Riding Mountain	52.8	43,615.22	17,740.19	61,355.41	1,162
262	Junction P.T.H. Nos. 10 & 24 - Riding Mountain National Park	62.6	61,643.58	36,519.73	98,163.31	1,568
263	Scandinavia - P.R. No. 270	29.5	37,848.40	9,118.93	46,967.33	1,592
265	Lake Manitoba - Clanwilliam	93.0	115,592.50	27,722.00	143,314.50	1,541
266	Bowsman - Birch River	23.8	40,424.88	16,249.21	56,674.09	2,381
267	P.T.H. No. 20 - Sifton - P.R. No. 366	50.9	55,802.99	33,929.14	89,732.13	1,763
268	P.T.H. No. 10 - Birch River	45.5	48,272.36	50,674.14	98,946.50	2,175
269	P.R. No. 490 - Ethelbert	58.6	59,896.18	39,142.52	99,038.70	1,444
270	P.T.H. No. 1W. - Basswood - P.R. No. 263	88.8	85,220.98	37,801.96	123,022.94	1,385

Table No. M9

Provincial Road	Location	Summer Kilometres	Summer Expenditure	Winter Expenditure	Total Expenditure	*Cost per km
271	P.T.H. No. 20 - Pine River	32.3	$ 65,256.21	$ 24,147.41	$ 89,403.62	$2,768
272	Camperville - Duck Bay	21.6	9,495.41	10,188.88	19,684.29	911
273	Fishing River - P.T.H. No. 10	24.0	30,791.30	7,541.16	38,332.46	1,597
274	P.T.H. Nos. 5 & 10 - Gilbert Plains - Ethelbert	88.5	87,775.90	82,367.27	170,143.17	1,923
275	Swan River - Saskatchewan	23.3	7,919.07	19,007.92	26,926.99	1,156
276	Ste. Rose du Lac - Skownan	114.4	102,760.25	51,786.24	154,546.49	1,351
278	P.T.H. No. 50 - Shergrove	41.7	25,776.08	17,579.91	43,355.99	1,040
279	Bowsman - Whitefish Lake	32.8	25,139.62	22,985.52	48,125.14	1,467
280	P.R. No. 391 - Gillam	291.9	453,287.88	193,220.47	646,508.35	2,215
282	Westray - Carrot River	23.8	35,348.55	10,220.64	45,569.19	1,915
283	The Pas - Saskatchewan Boundary	39.8	46,923.16	21,746.73	68,669.89	1,725
285	Rahl's Island - The Pas	15.3	53,357.08	27,701.03	81,058.10	5,298
287	Clearwater Lake - P.T.H. No. 10	19.0	13,759.46	7,443.90	21,203.35	1,116
289	P.R. No. 285 - Grace Lake	3.9	3,557.25	4,066.45	7,623.70	1,955
290	P.R. No. 280 - Limestone	20.8	10,230.67	8,632.30	18,862.97	907
291	Flin Flon - Channing Lake	4.5	18,072.49	6,163.08	24,235.56	5,386
300	St. Anne's Road	5.3	7,537.75	6,400.44	13,938.19	2,630
301	Falcon Lake - West Hawk Lake	11.6	1,738.63	11,063.78	12,802.41	1,104
302	P.R. No. 201 - Beausejour	106.4	189,807.82	57,932.59	247,740.41	2,328
303	La Broquerie - P.R. No. 200	49.6	87,066.45	23,844.42	110,910.87	2,236
304	P.T.H. No. 59 - Wadhope	199.2	236,964.26	98,220.46	335,184.72	1,683
305	P.T.H. No. 59 - Ste. Agathe - Junction P.T.H. Nos. 1 & 16	150.3	260,814.00	47,000.12	307,814.12	2,048
306	P.T.H. No. 15 - P.T.H. No. 59	42.3	58,398.14	15,133.64	73,531.78	1,738
307	P.T.H. No. 44 - Seven Sisters Falls	78.2	34,348.07	60,762.76	95,110.84	1,216

Table No. M9

Provincial Road	Location	Kilometres	Summer Expenditure	Winter Expenditure	Total Expenditure	*Cost per km
308	Sprague - East Braintree	102.4	$100,616.30	$ 73,019.35	$173,635.65	$1,696
309	P.R. No. 307 - Big Whiteshell Lake	12.2	2,729.27	7,751.78	10,481.04	859
310	United States Boundary - South Junction	4.0	203.20	2,730.73	2,933.93	733
311	Blumenort - P.R. No. 302	45.5	70,316.90	43,913.79	114,230.70	2,511
312	Caddy Lake - P.T.H. No. 44	5.5	7,606.63	5,296.35	12,902.98	2,346
313	Pointe du Bois - P.T.H. No. 11	39.8	20,664.15	27,655.01	48,319.15	1,214
314	P.R. No. 315 - Wadhope	74.0	53,821.01	13,805.31	67,626.32	914
315	P.R. No. 313 - Bird Lake	59.7	64,252.89	17,722.95	81,975.83	1,373
316	P.T.H. No. 44 - Lowland	23.7	35,418.23	7,274.98	42,693.21	1,801
317	Lac du Bonnet - P.T.H. No. 59	50.2	100,811.81	29,327.56	130,139.37	2,592
318	Otterburne - Niverville	11.9	22,351.73	1,531.86	23,883.59	2,007
319	P.T.H. No. 59 - Patricia Beach	6.0	10,215.22	1,485.50	11,700.72	1,950
320	Selkirk - Breezy Point	18.0	28,241.46	22,687.93	50,929.39	2,829
321	P.R. No. 220 - Gross Lake	29.0	43,812.06	7,808.77	51,620.83	1,780
322	Grosse Isle - P.R. No. 415	41.4	49,675.43	14,173.28	63,848.71	1,542
323	P.T.H. No. 7 - Argyle - P.R. No. 248	31.4	67,393.76	28,926.47	96,320.23	3,068
324	Camp Morton - Rembrandt	19.6	24,091.16	1,456.26	25,547.42	1,303
325	P.R. No. 234 - Ashern - P.T.H. No. 68	125.9	156,356.03	36,694.42	193,050.44	1,533
326	Arborg - P.R. No. 233	16.3	24,831.35	7,396.83	32,228.18	1,977
327	P.T.H. No. 60 - Easterville	21.2	33,194.91	2,753.18	35,948.09	1,696
328	Gypsumville - Waterhen River	63.8	84,055.73	11,636.27	95,692.27	1,500
329	Riverton - Broad Valley	47.8	74,049.90	16,638.26	90,688.16	1,897
330	Morris - P.T.H. No. 100	47.3	128,130.94	10,326.11	138,457.05	2,927
331	Fortier - Portage la Prairie	28.0	41,772.06	13,992.16	55,764.22	1,992
332	Rosenfeld - Dacotah	79.3	187,912.68	34,140.07	222,052.75	2,800
334	Domain - P.T.H. No. 6	57.8	141,360.40	35,427.93	176,788.33	3,059

Table No. M9

Provincial Road	Location	Kilometres	Summer Expenditure	Winter Expenditure	Total Expenditure	*Cost per km
336	P.R. No. 201 - North of Sperling	54.4	$105,899.87	$ 13,703.79	$119,603.66	$2,199
338	Thornhill - Haywood - P.R. No. 331	90.0	164,381.95	27,518.67	191,900.62	2,132
340	P.T.H. No. 3 - Douglas	101.7	115,041.45	28,806.63	143,848.09	1,414
341	Lena - Horton	34.0	35,270.86	6,563.62	41,834.48	1,230
342	Clearwater - Cypress River	49.7	47,170.04	12,671.99	59,842.03	1,204
343	P.T.H. No. 10 - Dand	36.2	18,635.43	1,295.83	19,931.25	55[illegible]
344	Dunrea - Wawanesa - Brandon	79.8	124,631.17	39,159.99	163,791.17	2,053
345	P.T.H. No. 21 - Saskatchewan Boundary	65.2	62,273.96	9,860.68	72,134.64	1,106
346	Wakopa - Nesbitt	58.8	43,778.13	13,726.29	57,504.42	978
347	P.R. No. 348 - Hartney	40.4	45,676.22	5,201.64	50,877.86	1,259
348	Boissevain - P.R. No. 349	69.2	48,424.50	10,325.38	58,749.88	849
349	P.T.H. No. 10 - South of Griswold	36.4	36,180.56	15,355.94	51,536.50	1,416
350	P.T.H. No. 34 - MacGregor - Woodside	70.2	127,121.25	28,063.34	155,184.59	2,211
351	Sidney - Camp Hughes	35.2	25,313.83	23,859.04	49,172.88	1,397
352	P.T.H. No. 34 - Edrans - Birnie	92.4	147,057.04	21,608.95	168,665.99	1,825
353	P.T.H. No. 34 - Brookdale - P.T.H. No. 10	67.1	76,346.14	31,333.84	107,679.98	1,605
354	P.T.H. No. 21 - Strathclair - P.R. No. 359	92.4	138,876.30	37,777.52	176,653.82	1,912
355	Minnedosa - Beulah	85.8	93,377.69	24,225.75	117,603.44	1,371
357	Birnie - Erickson	35.6	31,468.04	16,365.20	47,833.24	1,344
359	P.R. No. 270 - P.T.H. No. 16	98.2	104,898.42	39,036.64	143,935.06	1,466
360	McCreary - P.T.H. No. 68	37.0	43,593.30	6,227.99	49,821.29	1,347
361	McCreary - Mt. Agassiz Ski Resort	6.8	8,352.00	3,860.46	12,212.46	1,796
362	Dauphin - Sifton - P.R. No. 273	39.1	40,282.55	17,970.82	58,253.37	1,490
363	P.T.H. No. 83 - Saskatchewan Boundary	8.9	40,448.15	11,118.20	51,566.35	5,794

Table No. M9

Provincial Road	Location	Kilometres	Summer Expenditure	Winter Expenditure	Total Expenditure	*Cost per km
364	Rorketon - Winnipegosis	47.8	$ 84,203.99	$ 56,583.25	$ 140,787.24	$2,945
365	P.T.H. No. 10 - Steeprock River	29.6	27,888.10	13,844.51	41,732.62	1,410
366	Inglis - Grandview - Birch River	222.2	242,840.96	108,780.18	351,621.14	1,582
367	Garland - P.T.H. No. 83	81.7	80,829.86	54,064.57	134,894.43	1,651
373	P.T.H. No. 6 - Norway House	166.7	342,126.59	122,614.99	464,741.59	2,788
375	Paint Lake - P.T.H. No. 6	6.0	0	2,573.88	2,573.88	429
391	Thompson - Lynn Lake (Nelson House Road - Ruttan Lake Road excluded)	322.7	507,844.01	368,681.87	876,525.88	2,716
392	P.T.H. No. 39 - Snow Lake	42.8	25,020.41	46,538.62	71,559.03	1,672
393	P.R. No. 392 - Osborne Lake	19.0	10,638.11	7,450.82	18,088.92	952
394	Lynn Lake - Co-Op Point	100.9	34,193.58	37,701.80	71,895.38	713
395	Snow Lake - Chisel Lake	13.0	20,670.96	12,912.57	33,583.52	2,583
396	Lynn Lake - Dunphy Lakes	45.4	15,118.67	11,129.70	26,248.36	578
397	Lynn Lake - Eldon Lake	5.5	8,507.80	17,699.69	26,207.48	4,765
398	P.R. No. 394 - Berge Lake	1.8	243.00	0	243.00	135
400	P.R. No. 217 - Dufrost	11.6	10,779.23	1,118.14	11,897.37	1,026
401	Hoddinott Road	3.1	4,919.06	1,020.84	5,939.90	1,916
402	Sundown - P.T.H. No. 12	10.1	11,995.41	8,633.49	20,628.90	2,042
403	P.R. No. 216 - St. Malo	7.6	22,776.64	9,958.82	32,735.47	4,307
404	P.T.H. No. 12 - East of Marchand	24.1	22,489.78	9,088.04	31,577.83	1,310
405	P.R. No. 206 - Ile des Chenes - P.R. No. 200	16.4	56,013.72	4,090.17	60,103.89	3,665
406	Elma - Whitemouth	9.0	25,210.47	18,882.34	44,092.82	4,899
407	P.R. No. 202 - Henderson Highway	3.7	4,883.37	125.54	5,008.91	1,354
408	P.T.H. No. 11 - Seven Sisters Falls	13.7	30,732.68	9,027.68	39,760.37	2,902
409	P.T.H. No. 101 - P.R. No. 220	4.7	2,278.42	1,019.30	3,297.72	702
410	St. Andrews Church - P.T.H. No. 8	7.1	22,785.81	4,976.13	27,761.95	3,910

Table No. M9

Provincial Road	Location	Kilometres	Summer Expenditure	Winter Expenditure	Total Expenditure	*Cost per km
411	P.T.H. No. 6 - St. Ambroise	22.9	$ 32,529.04	$ 1,026.17	$ 33,555.21	$1,465
412	P.T.H. No. 26 - Warren	18.7	28,474.26	9,085.96	37,560.23	2,009
413	Petersfield - Gunton	19.8	25,510.59	5,208.09	30,718.68	1,551
414	P.R. No. 411 - Lake Francis	11.6	14,596.62	9,811.94	24,408.56	2,104
415	Teulon - St. Laurent	60.5	77,201.51	16,542.04	93,743.55	1,549
416	P.R. No. 415 - Inwood	14.8	18,372.09	2,648.55	21,020.63	1,420
417	Eriksdale - Lake Manitoba	24.6	43,424.04	3,585.08	47,009.12	1,911
418	Lake Manitoba - West of Mulvihill	29.1	35,408.14	21,368.72	56,776.86	1,951
419	Chatfield - Lake Manitoba	62.1	82,491.01	12,650.91	95,141.92	1,532
420	P.T.H. No. 75 - La Salle	11.9	26,613.66	4,874.47	31,488.13	2,646
421	P.T.H. No. 75 - South of Altona	20.6	17,596.51	11,077.72	28,674.22	1,392
422	P.T.H. No. 23 - Rosenort P.O.	11.6	16,071.82	1,418.98	17,490.79	1,508
423	P.R. No. 244 - Crystal City	37.5	56,809.66	15,341.65	72,151.31	1,924
424	P.T.H. No. 2 - P.R. No. 241	10.2	23,185.76	2,513.45	25,699.21	2,520
425	Saskatchewan Avenue	6.0	13,584.43	5,153.05	18,737.48	3,123
426	P.T.H. No. 1W. - Poplar Point	25.3	46,296.00	6,269.08	52,565.08	2,078
427	Wilkes Avenue - West	12.8	33,601.84	5,028.56	38,630.40	3,018
428	Winkler - Roland	18.3	57,637.45	5,023.52	62,660.97	3,424
430	P.T.H. No. 1W. - St. Ambroise	38.8	38,015.46	8,702.80	46,718.26	1,204
431	St. Leon - P.T.H. No. 23	5.0	4,589.49	3,933.76	8,523.25	1,705
432	P.R. No. 201 - Rosebank	37.5	28,682.41	14,898.64	43,581.05	1,162
433	Wendigo Road	19.6	45,495.43	7,505.05	53,000.48	2,704
435	P.T.H. No. 12 - P.R. No. 212	42.3	71,566.91	6,592.44	78,159.35	1,848
440	P.R. No. 253 - Mariapolis	19.2	13,298.39	2,545.37	15,843.75	825
441	P.T.H. No. 83 - Elkhorn	13.8	17,173.15	2,557.45	19,730.59	1,430

Table No. M9

Provincial Road	Location	Kilometres	Summer Expenditure	Winter Expenditure	Total Expenditure	*Cost per km
442	Mather - P.R. No. 342	19.2	$ 15,065.90	$ 4,753.63	$ 19,819.53	$1,032
443	Ninga - Boissevain	13.4	20,465.00	6,048.23	26,513.22	1,979
444	William Lake - P.R. No. 341	8.4	2,954.21	1,250.91	4,205.12	501
445	Melita - Saskatchewan Boundary	29.3	31,144.04	5,114.60	36,258.64	1,237
446	Max Lake - P.T.H. No. 3	12.1	4,834.80	1,282.55	6,117.35	506
447	P.R. No. 254 - Napinka - P.T.H. No. 83	20.1	18,813.27	5,200.98	24,014.25	1,195
448	P.R. No. 343 - Elgin	11.6	6,775.89	1,142.32	7,918.21	683
449	P.R. No. 245 - Holland	16.4	26,531.18	8,949.87	35,481.06	2,163
450	United States Boundary - Whitewater	20.8	50,955.17	6,250.10	57,205.27	2,750
451	Treesbank - P.R. No. 344	5.0	7,533.37	61.92	7,595.29	1,519
452	Waskada - Napinka	24.8	45,538.15	2,606.17	48,144.31	1,941
453	Rounthwaite - P.T.H. No. 10	11.4	12,842.59	1,162.74	14,005.32	1,229
454	P.R. No. 346 - West of Souris	9.8	13,776.10	6,454.83	20,230.92	2,064
455	P.T.H. No. 1W. - P.T.H. No. 21	11.3	9,463.09	62.38	9,525.47	843
457	P.R. No. 340 - Brandon	16.7	8,488.30	4,942.90	13,431.20	804
458	P.R. No. 251 - Melita	19.8	15,241.03	1,224.34	16,465.36	832
459	Brandon - P.T.H. No. 1W.	9.8	12,323.11	2,423.74	14,746.84	1,505
460	Gladstone - P.R. No. 265	20.0	71,247.67	7,773.94	79,021.61	3,951
461	P.R. No. 242 - P.T.H. No. 34	17.5	22,466.22	2,338.10	24,804.32	1,417
462	P.R. No. 265 - Glenella - P.T.H. No. 5	57.2	74,664.24	25,369.87	100,034.11	1,749
463	P.T.H. No. 21 - P.R. No. 254	3.7	5,744.59	93.38	5,837.97	1,578
464	P.T.H. No. 1W. - Brookdale - P.T.H. No. 16	37.7	44,340.96	8,732.91	53,073.87	1,408
465	P.T.H. No. 5 - Rapid City Junction	29.5	33,133.95	8,729.09	41,863.05	1,419
466	P.R. No. 355 - P.R. No. 357	35.6	38,656.70	21,610.94	60,267.64	1,693
467	South of Miniota-Saskatchewan Boundary	32.8	31,087.78	19,085.82	50,173.61	1,530

Table No. M9

Provincial Road	Location	Kilometres	Summer Expenditure	Winter Expenditure	Total Expenditure	*Cost per km
468	Chater - North of Moore Park	33.1	$ 40,614.21	$ 10,305.43	$ 50,919.64	$1,538
469	P.R. No. 354 - Hamiota - P.R. No. 254	26.6	48,390.63	17,945.86	66,336.49	2,494
470	Hamiota - P.R. No. 250	69.5	69,706.19	50,665.21	120,371.41	1,732
471	Neepawa - P.R. No. 250	30.9	34,217.34	21,605.91	55,823.25	1,807
472	P.T.H. No. 16 - Vista	17.2	21,221.12	8,656.06	29,877.18	1,737
473	P.T.H. No. 10 - Newdale	19.6	16,100.23	9,051.89	25,152.12	1,283
474	Arrow River - Solsgirth	44.7	49,325.07	6,084.50	55,409.57	1,240
475	Foxwarren - P.T.H. No. 41	8.4	12,932.80	6,514.64	19,447.43	2,315
476	P.T.H. No. 16 - Angusville-P.R. No. 254	36.0	56,945.60	26,462.47	83,408.07	2,317
477	P.T.H. No. 21 - P.R. No. 254	11.6	12,900.27	1,434.96	14,335.22	1,236
478	Saskatchewan Boundary - Binscarth - North of Inglis	89.3	108,210.47	50,453.05	158,663.52	1,777
479	Angusville - P.T.H. No. 41	18.0	25,569.89	22,848.34	48,418.23	2,690
480	P.T.H. No. 5 - Makinak - Dauphin Lake	61.6	81,789.00	15,178.90	96,967.90	1,574
481	Crane River - P.R. No. 364	43.8	48,756.23	11,356.25	60,112.48	1,372
482	P.T.H. No. 83-Dropmore-P.T.H. No. 5	46.7	23,779.96	16,511.45	40,291.41	863
483	Merridale - P.T.H. No. 83	19.0	18,274.01	12,393.69	30,667.69	1,614
484	P.T.H. No. 5 - North of Makaroff	33.0	39,216.85	17,660.59	56,877.44	1,724
485	P.R. No. 366 (South of Minitonas) - P.R. No. 486	16.4	26,371.08	15,216.56	41,587.65	2,536
486	P.R. No. 586 (South of Durban) - P.T.H. No. 83	26.9	37,717.32	24,037.49	61,754.82	2,296
487	Kenville - P.R. No. 588	15.1	30,680.51	7,489.00	38,169.51	2,528
488	P.R. No. 486 - P.T.H. No. 10 (East of Swan River)	21.6	40,725.66	16,419.62	57,145.28	2,646
489	Garland - P.T.H. No. 20	50.0	53,636.17	23,900.36	77,536.53	1,551

Table No. M9

Provincial Road	Location	Kilometres	Summer Expenditure	Winter Expenditure	Total Expenditure	*Cost per km
490	P.R. No. 481 (West of Toutes Aides) - P.R. No. 269	12.9	$ 18,332.13	$ 3,817.31	$ 22,149.44	$1,717
491	P.R. No. 362 Cross of Freedom	9.2	18,600.38	3,913.54	22,513.92	2,447
500	P.T.H. No. 12 (North Jct. - South Jct.)	11.7	33,745.04	11,583.78	45,328.82	3,874
501	Ross - P.T.H. No. 1E.	26.2	18,837.20	12,737.22	31,574.41	1,205
502	Lac du Bonnet - P.R. No. 313 - P.T.H. No. 11	9.0	12,974.21	13,844.49	26,818.70	2,980
503	P.R. No. 308 - P.T.H. No. 1E.	34.6	13,762.03	4,026.82	17,788.85	514
504	Victoria Beach - Lake Winnipeg	2.3	3,233.62	1,363.39	4,597.01	1,999
505	Whitemouth River - P.R. No. 503	5.1	165.62	103.75	269.37	53
506	Prawda - P.T.H. No. 11 - P.T.H. No. 1E.	49.1	57,132.63	22,443.67	79,576.29	1,621
507	P.R. No. 506 - Medika	4.0	3,147.32	0	3,147.32	787
508	East Selkirk - St. Peters Church	12.9	3,449.77	4,894.58	8,344.35	647
509	P.T.H. No. 59 - P.R. No. 204	1.6	1,936.89	1,112.43	3,049.32	1,906
510	P.T.H. No. 44 - P.R. No. 435	8.2	13,513.19	2,636.88	16,150.06	1,970
511	P.R. No. 518 - Oak Point	20.0	22,859.17	15,401.52	38,260.70	1,913
512	P.R. No. 419 - P.T.H. No. 68	15.6	12,464.28	3,503.20	15,967.48	1,024
513	P.T.H. No. 6 - Gypsumville - Anama Bay	82.7	120,389.15	16,394.70	136,783.85	1,654
514	P.T.H. No. 68 - South of Ashern	29.5	46,972.50	37,722.82	84,695.32	2,871
515	Clandeboye - P.T.H. No. 8	5.0	1,908.63	2,262.69	4,171.31	834
516	P.R. No. 329 - Shorncliffe	14.8	17,597.63	3,778.13	21,375.76	1,444
517	Balmoral - P.R. No. 322	16.4	20,577.84	2,541.78	23,119.61	1,410
518	Woodlands - P.R. No. 229	38.3	53,277.74	9,978.29	63,256.03	1,652
519	Sandy Hook - P.T.H. No. 8	2.7	7,731.71	2,823.87	10,555.57	3,909
520	P.R. No. 211 - P.R. No. 313	14.5	6,858.75	1,024.42	7,883.17	544
521	Rosengart - P.T.H. No. 32	5.1	10,426.44	1,046.07	11,472.51	2,250
522	Halbstadt Road	6.6	12,944.84	1,004.35	13,949.18	2,114

Table No. M9

Provincial Road	Location	Kilometres	Summer Expenditure	Winter Expenditure	Total Expenditure	*Cost per km
523	P.T.H. No. 75 - Sewell - P.R. No. 332	15.3	$ 20,695.10	$ 3,942.83	$ 24,637.93	$1,610
524	Blumenort - P.R. No. 243	3.2	2,482.61	94.73	2,577.34	805
525	United States Boundary - P.R. No. 308	9.7	6,959.67	1,502.98	8,462.65	872
526	P.T.H. No. 26 - North of High Bluff	6.3	9,607.83	3,639.27	13,247.10	2,103
528	Kaleida - P.T.H. No. 3	7.1	2,593.30	1,263.86	3,857.16	543
530	P.T.H. No. 23 - Bruxelles	10.0	15,392.73	1,505.20	16,897.92	1,690
532	Mariapolis - P.R. No. 245	11.6	14,731.98	3,835.44	18,567.42	1,601
541	North of Mather - P.T.H. No. 5	15.8	4,916.60	1,328.30	6,244.90	395
542	P.R. No. 257 - P.T.H. No. 1	21.2	35,296.42	2,337.42	37,633.84	1,775
543	P.T.H. No. 21 (South of Griswold) - P.R. No. 254	11.6	12,285.00	1,032.64	13,317.63	1,148
545	P.T.H. No. 41 (South of St. Lazare) - Saskatchewan Boundary	8.9	9,474.19	1,089.55	10,563.74	1,187
547	P.R. No. 482 - Saskatchewan Boundary	3.2	233.68	92.77	326.45	102
561	Justice - Forrest	11.6	13,309.64	1,098.55	14,408.18	1,242
563	P.T.H. No. 10 - P.R. No. 270 - (North of Rapid City)	6.6	11,062.67	5,259.13	16,321.80	2,473
564	Minnedosa - Bethany	13.2	12,894.01	6,250.50	19,144.50	1,450
565	P.T.H. No. 41 (South of McAuley) - Saskatchewan Boundary	5.0	7,266.95	2,377.48	9,644.42	1,929
566	Oakburn - P.R. No. 359	22.2	30,145.92	24,200.38	54,346.31	2,448
567	Lynch's Point - P.T.H. No. 50	7.6	14,667.93	6,584.24	21,252.16	2,796
568	P.T.H. No. 83 - Wattsview -P.R. No. 475	30.1	26,717.60	22,499.01	49,216.61	1,635
569	Lake Manitoba - P.T.H. No. 50	5.8	7,434.69	5,315.94	12,750.63	2,198
571	P.T.H. No. 41 (North of McAuley) - Saskatchewan Boundary	6.6	10,325.43	62.38	10,387.81	1,574

Table No. M9

Provincial Road	Location	Kilometres	Summer Expenditure	Winter Expenditure	Total Expenditure	*Cost per km
573	Lake Manitoba - P.T.H. No. 59 - (South of Embury)	8.2	$ 7,066.12	$ 6,171.67	$ 13,237.79	$1,614
575	P.R. No. 260 - Birnie	25.6	26,192.66	11,097.57	37,290.23	1,457
577	P.R. No. 566 - North of Rossburn	24.8	25,101.46	12,590.42	37,691.88	1,520
579	P.T.H. No. 83 - Millwood - P.R. No. 478	26.4	34,290.46	16,133.25	50,423.71	1,910
581	Ste. Amelie - P.T.H. No. 5	8.2	3,546.18	4,849.55	8,395.73	1,024
582	Makinak - Ochre River	16.4	28,115.44	9,982.92	38,098.36	2,323
583	Shevlin - P.T.H. No. 83	15.3	26,350.56	10,036.00	36,386.56	2,378
584	P.R. No. 366 - Merridale - P.R. No. 594	73.9	92,571.39	49,370.66	141,942.04	1,921
585	P.R. No. 276 - West of Rorketon	18.0	22,990.42	6,222.66	29,213.08	1,623
586	P.T.H. No. 83 - Durban	24.5	34,250.95	19,092.78	53,343.74	2,177
587	P.R. No. 268 - Bowsman	19.3	35,245.81	15,027.84	50,273.65	2,605
588	Benito - P.R. No. 269	40.6	57,092.85	37,593.71	94,686.55	2,332
589	P.R. No. 478 - P.T.H. No. 83	8.4	7,383.56	3,603.72	10,987.28	1,308
591	P.R No. 584 - Roblin	8.7	16,232.99	11,492.60	27,725.58	3,187
592	Deepdale - P.T.H. No. 83	13.0	12,872.95	6,249.52	19,122.46	1,471
593	P.T.H. No. 83 - Deepdale	9.7	17,508.68	21,563.84	39,072.51	4,028
594	P.T.H. No. 83 - Boggy Creek	19.9	25,959.22	12,786.09	38,745.31	1,947
666	Access Roads	411.4	545,618.05	482,232.85	1,027,850.89	2,498
		12,542.8	$16,263,769.82	$6,301,463.24	$22,565,233.05	$1,799*

*1. Cost per kilometre is rounded off to the nearest dollar and includes overheads.
2. Costs for P.R. No. 399 and P.R. No. 434 are included in the costs for Access Roads.

Table No. P1

SUMMARY OF MILEAGES ON PROVINCIAL TRUNK HIGHWAYS BY SURFACE TYPE

P.T.H. No.	Concrete	Bituminous Plant Mix	Bituminous Road Mix	Asphalt Surface Treatment	Gravel	Total Km
1	25.0	441.1	-	-	-	466.1
1A	2.0	28.7	-	-	-	30.7
2	49.4	265.6	-	-	-	315.0
3	68.9	203.5	8.2	116.0	-	396.6
3A	-	-	11.3	-	-	11.3
4	-	-	-	-	9.7	9.7
5	-	286.2	11.1	103.3	-	400.6
5A	2.1	4.5	-	-	-	6.6
6	-	705.7	-	36.5	-	742.2
7	17.8	86.7	-	-	-	104.5
8	15.1	119.2	-	12.9	22.6	169.8
9	3.9	80.1	-	0.5	-	84.5
9A	2.9	4.8	-	-	-	7.7
10	-	681.6	1.9	39.8	-	723.3
10A	-	12.1	-	-	-	12.1
11	-	125.8	-	20.9	-	146.7
12	6.1	229.1	4.5	19.7	-	259.4
13	-	50.4	-	-	-	50.4
14	16.7	33.6	-	-	-	50.3
15	18.7	23.8	-	33.0	-	75.5
16	-	260.8	-	-	-	260.8
16A	-	9.0	-	-	-	9.0
17	-	2.4	22.2	97.7	-	122.3
18	-	24.9	-	30.4	-	55.3
19	-	-	-	-	5.0	5.0
20	-	52.0	22.8	95.2	-	170.0
20A	-	5.1	-	-	-	5.1
21	-	4.2	-	172.0	-	176.2
22	-	0.8	-	20.1	-	20.9
23	47.1	57.4	-	161.8	-	266.3
24	-	7.9	-	72.7	-	80.6
25	-	28.2	-	-	-	28.2
26	1.0	63.4	-	-	-	64.4
27	-	2.9	-	-	-	2.9
29	0.5	-	-	-	-	0.5
30	10.8	11.1	-	-	-	21.9
31	-	-	-	22.7	-	22.7
32	-	22.7	-	-	-	22.7
34	-	0.5	-	123.8	-	124.3
39	-	56.3	-	107.9	-	164.2
41	-	4.3	10.1	51.4	4.9	70.7

Table No. P1

P.T.H. No.	Concrete	Bituminous Plant Mix	Bituminous Road Mix	Asphalt Surface Treatment	Gravel	Total Km
42	-	7.8	-	44.7	-	52.5
44	-	88.9	-	30.1	-	119.0
45	-	37.2	-	69.0	-	106.2
49	-	1.6	-	-	-	1.6
50	-	53.2	13.4	56.8	-	123.4
52	-	30.7	4.4	-	-	35.1
57	-	-	-	1.6	-	1.6
59	21.7	128.0	-	40.1	-	189.8
60	-	-	-	152.2	-	152.2
67	-	17.0	11.6	16.4	-	45.0
68	-	57.5	13.0	138.6	-	209.1
75	14.2	77.5	-	-	-	91.7
77	-	-	-	41.5	-	41.5
83	-	253.2	1.1	78.9	-	333.2
89	-	-	10.0	-	-	10.0
100	12.3	27.6	-	-	-	39.9
101	31.8	8.5	-	-	-	40.3
	368.0	4785.1	145.6	2008.2	42.2	*7349.1

*Compiled as of January 1, 1988

Table No. P2

SUMMARY OF DISTANCES ON PROVINCIAL TRUNK HIGHWAYS
BY SURFACE TYPE AND NUMBER OF LANES

Number of Lanes	Concrete	Bituminous Plant Mix	Bituminous Road Mix	Asphalt Surface Treatment	Gravel	Total Km
2	234.0	4,251.7	143.8	2,007.9	42.2	6,679.6
4 Undivided	3.5	33.2	1.8	-	-	38.5
4 Divided	130.5	498.0	-	0.3	-	628.8
6 Undivided	-	-	-	-	-	-
6 Divided	-	2.2	-	-	-	2.2
8 Divided	-	-	-	-	-	-
	368.0	4,785.1	145.6	2,008.2	42.2	*7,349.1

*Compiled as of January 1, 1988

Table No. P3

SUMMARIZED
BY
SURFACE TYPE
(kilometres)

	Concrete	Bituminous Plant Mix	Bituminous Road Mix	Asphalt Surface Treatment	Gravel	Total
P.T.H.	368.0	4,785.1	145.6	2,008.2	42.2	7,349.1
P.R.	23.3	998.8	464.7	2,322.0	8,490.9	12,299.7
	391.3	5,783.9	610.3	4,330.2	8,533.1	*19,648.8

*Compiled as of January 1, 1988

Table No. P4

SUMMARY OF DISTANCES ON PROVINCIAL TRUNK HIGHWAYS BY DISTRICT

P.T.H. No.	DISTRICT NUMBER 1	2	3	4	5	6	7	8	9	10	11	12	Total Km
1	20.3	118.7	-	-	184.3	125.6	-	-	-	-	-	17.3	466.2
1A	-	-	-	-	19.8	10.9	-	-	-	-	-	-	30.7
2	-	-	103.5	-	203.6	-	-	-	-	-	-	7.9	315.0
3	-	-	153.0	234.3	-	-	-	-	-	-	-	9.3	396.6
3A	-	-	-	11.3	-	-	-	-	-	-	-	-	11.3
4	9.7	-	-	-	-	-	-	-	-	-	-	-	9.7
5	-	-	-	62.5	70.2	-	66.1	201.8	-	-	-	-	400.6
5A	-	-	-	-	-	-	-	6.6	-	-	-	-	6.6
6	-	-	-	-	-	42.0	-	-	-	243.6	442.8	13.8	742.2
7	-	-	-	-	-	50.7	-	-	-	-	44.2	9.6	104.5
8	52.0	-	-	-	-	-	-	-	-	-	108.5	9.3	169.8
9	54.1	-	-	-	-	-	-	-	-	-	12.9	17.5	84.5
9A	7.7	-	-	-	-	-	-	-	-	-	-	-	7.7
10	-	-	-	64.3	55.3	-	72.3	72.2	217.8	241.4	-	-	723.3
10A	-	-	-	-	-	-	-	3.4	5.5	3.2	-	-	12.1
11	130.4	16.4	-	-	-	-	-	-	-	-	-	-	146.8
12	100.1	159.3	-	-	-	-	-	-	-	-	-	-	259.4
13	-	-	33.0	-	-	17.4	-	-	-	-	-	-	50.4
14	-	-	50.3	-	-	-	-	-	-	-	-	-	50.3
15	73.7	-	-	-	-	-	-	-	-	-	-	1.8	75.5
16	-	-	-	-	-	71.0	189.8	-	-	-	-	-	260.8
16A	-	-	-	-	-	-	9.0	-	-	-	-	-	9.0
17	4.8	-	-	-	-	30.3	-	-	-	-	87.2	-	122.3
18	-	-	-	52.1	3.2	-	-	-	-	-	-	-	55.3
19	-	-	-	-	-	-	-	5.0	-	-	-	-	5.0
20	-	-	-	-	-	-	-	99.0	71.0	-	-	-	170.0

Table No. P4

P.T.H. No.	DISTRICT NUMBER 1	2	3	4	5	6	7	8	9	10	11	12	Total Km
20A	-	-	-	-	-	-	-	5.1	-	-	-	-	5.1
21	-	-	-	54.7	64.2	-	57.3	-	-	-	-	-	176.2
22	-	-	-	9.8	11.1	-	-	-	-	-	-	-	20.9
23	-	28.8	109.5	128.0	-	-	-	-	-	-	-	-	266.3
24	-	-	-	-	-	-	80.6	-	-	-	-	-	80.6
25	-	-	-	-	28.2	-	-	-	-	-	-	-	28.2
26	-	-	-	-	-	64.4	-	-	-	-	-	-	64.4
27	2.9	-	-	-	-	-	-	-	-	-	-	-	2.9
29	-	0.5	-	-	-	-	-	-	-	-	-	-	0.5
30	-	-	21.9	-	-	-	-	-	-	-	-	-	21.9
31	-	-	22.7	-	-	-	-	-	-	-	-	-	22.7
32	-	-	22.7	-	-	-	-	-	-	-	-	-	22.7
34	-	-	-	45.6	31.4	47.3	-	-	-	-	-	-	124.3
39	-	-	-	-	-	-	-	-	-	164.2	-	-	164.2
41	-	-	-	-	33.2	-	37.5	-	-	-	-	-	70.7
42	-	-	-	-	-	-	52.5	-	-	-	-	-	52.5
44	112.7	-	-	-	-	-	-	-	-	-	-	6.3	119.0
45	-	-	-	-	-	-	106.2	-	-	-	-	-	106.2
49	-	-	-	-	-	-	-	-	1.6	-	-	-	1.6
50	-	-	-	-	-	39.6	-	83.8	-	-	-	-	123.4
52	-	35.1	-	-	-	-	-	-	-	-	-	-	35.1
57	-	-	-	-	-	-	-	-	1.6	-	-	-	1.6
59	70.3	85.1	-	-	-	-	-	-	-	-	-	34.4	189.8
60	-	-	-	-	-	-	-	-	-	108.6	43.6	-	152.2
67	14.0	-	-	-	-	31.0	-	-	-	-	-	-	45.0
68	-	-	-	-	-	-	-	68.9	-	-	140.2	-	209.1
75	-	84.5	-	-	-	-	-	-	-	-	-	7.2	91.7
77	-	-	-	-	-	-	-	-	41.5	-	-	-	41.5

Table No. P4

P.T.H. No.	DISTRICT NUMBER 1	2	3	4	5	6	7	8	9	10	11	12	Total Km
83	-	-	-	52.3	61.8	-	54.7	77.1	87.3	-	-	-	333.2
89	-	10.0	-	-	-	-	-	-	-	-	-	-	10.0
100	-	-	-	-	-	-	-	-	-	-	-	39.9	39.9
101	-	-	-	-	-	-	-	-	-	-	-	40.3	40.3
	652.7	538.4	516.6	714.9	766.3	530.2	726.0	622.9	426.3	761.0	879.4	214.6	7349.3

Table No. X1

SUMMARY OF CONSTRUCTION AND EXPENDITURES
UNDER AIDS TO CITIES, TOWNS, VILLAGES AND
UNINCORPORATED VILLAGE DISTRICTS,
AIDS TO UNORGANIZED TERRITORIES AND
DISORGANIZED MUNICIPALITIES
APPROPRIATION 15-8B & C

Appropriation
15-8B Program 2
Nature of Work Completed in km and metres

Grading	3.57 km	
Excavation and Backfill	1.79	
Gravel	5.22	
Re-Gravel	25.29	
Base Course	8.71	
Paving	13.16	
Asphalt Surface Treatment	1.07	
Seal Coat	14.37	
Calcium Chloride	48.99	
Calcium Lignosulfonate	6.08	
Dust Oil Treatment	2.86	
Curb and Gutter	5.08	
Sodding Ditches	0.15	
	136.34 km	
Culverts	257 metres	
Bridge	1	
Expenditure		$1,243,596.00
Total Expenditure under 15-8B Program 2		$2,495,892.69

Table No. X2

AIDS TO CITIES, TOWNS, VILLAGES AND
UNINCORPORATED VILLAGE DISTRICTS

APPROPRIATION 15-8B Program 2

Cities, Towns and Villages	Nature of Work	Kilometres Completed	Expenditures Total	Government
Altona	Grading	0.32	$ 89,570.00	$ 44,785.00
	Gravel	0.32		
	Base Course	0.32		
	Paving	0.32		
	Curb & Gutter	0.32		
	Culverts	14 metres		
Benito	Calcium Chloride	1.21	2,069.69	1,034.85
Birtle	Grading	0.60	50,503.74	25,251.87
	Gravel	0.60		
	Paving	0.60		
	Calcium Chloride	4.80		
Boissevain	Seal Coat	0.36	3,698.38	1,750.00
Brandon	Curb & Gutter	0.16	107,411.20	53,705.60
	Paving	2.01		
	Seal Coat	2.98		
Carman	Calcium Chloride	0.40	1,529.00	764.50
Crystal City	Seal Coat	0.91	4,197.92	2,098.96
Dauphin	Base Course	0.59	54,515.07	27,257.54
	Paving	0.59		
Deloraine	Seal Coat	1.52	5,230.60	2,615.30
	Calcium Chloride	0.38		
Elkhorn	Gravel	0.76	1,888.92	944.46
	Dust Oil Treatment			
Erickson	Grading	0.20	10,586.78	5,293.39
Gilbert Plains	Excavate & Backfill	0.18	88,762.19	44,381.09
	Base Course	0.18		
	Asphalt Surface Treatment	0.18		

Table No. X2

Cities, Towns and Villages	Nature of Work	Kilometres Completed	Expenditures Total	Government
Gimli	Sodding Ditches	0.15	$ 4,290.00	$ 2,145.00
Gladstone	Paving	0.30	38,500.00	19,250.00
Grandview	Base Course	0.24	23,105.30	11,552.65
Gretna	Re-Gravel	3.20	6,940.84	3,470.42
	Calcium Chloride	3.20		
Hamiota	Seal Coat	0.50	6,296.09	3,148.05
Lac du Bonnet	Base Course	0.20	2,718.64	1,359.32
McCreary	Seal Coat	1.62	15,390.08	7,695.04
Melita	Paving	0.83	29,565.52	14,782.76
	Seal Coat	0.38		
	Calcium Chloride	0.46		
Minitonas	Excavate & Backfill	0.32	37,015.23	18,507.61
	Base Course	0.32		
Minnedosa	Calcium Chloride	0.30	600.00	300.00
Morden	Grading	0.29	76,597.70	38,298.85
	Gravel	0.29		
	Re-Gravel	1.69		
	Base Course	0.29		
	Paving	0.29		
	Curb & Gutter	0.58		
	Calcium Chloride	1.69		
Morris	Base Course	0.19	49,400.62	24,700.31
	Paving	0.19		
	Curb & Gutter	0.38		
	Culverts	15 metres		
Notre-Dame de Lourdes	Re-Gravel	0.84	1,561.78	780.89
	Calcium Lignosulfonate	0.84		
Pilot Mound	Seal Coat	1.65	8,352.94	4,176.47
Portage la Prairie	Bridge	1	187,100.00	93,500.00

Table No. X2

Cities, Towns and Villages	Nature of Work	Kilometres Completed	Expenditures Total	Government
Rivers	Excavate & Backfill	0.43	$ 89,227.00	$ 44,613.50
	Base Course	0.43		
	Paving	0.43		
Rossburn	Dust Oil Treatment	0.70	1,395.75	697.88
Russell	Re-Gravel	0.80	126,506.05	63,253.02
	Paving	2.60		
	Dust Oil Treatment	0.80		
Ste. Anne	Calcium Chloride	0.50	890.80	445.40
St. Claude	Grading	0.17	36,145.12	18,072.56
	Re-Gravel	0.52		
	Base Course	0.17		
	Paving	0.17		
	Calcium Chloride	0.52		
	Culverts	36 metres		
Ste. Rose du Lac	Excavate & Backfill	0.15	28,696.73	14,348.36
	Base Course	0.15		
Selkirk	Base Course	1.37	291,271.10	145,635.55
	Paving	1.37		
	Curb & Gutter	0.69		
Shoal Lake	Grading	0.20	41,090.96	19,000.00
	Gravel	0.20		
Somerset	Re-Gravel	0.87	2,114.41	1,057.21
	Calcium Chloride	0.87		
Steinbach	Calcium Chloride	5.38	18,064.12	9,032.06
Stonewall	Excavate & Backfill	0.40	78,667.19	39,333.59
	Base Course	0.40		
	Paving	0.40		
	Curb & Gutter	0.40		
	Culverts	52 metres		
Swan River	Base Course	1.00	360,429.98	180,214.99
	Paving	1.00		
	Curb & Gutter	1.93		

Table No. X2

Cities, Towns and Villages	Nature of Work	Kilometres Completed	Expenditures Total	Government
Virden	Excavate & Backfill	0.31	$ 106,045.57	$ 51,000.00
	Base Course	1.13		
	Paving	0.31		
	Curb & Gutter	0.62		
Waskada	Dust Oil Treatment	0.46	826.80	413.40
Winkler	Re-Gravel	0.90	93,760.66	46,880.33
	Base Course	0.64		
	Paving	0.64		
	Calcium Lignosulfonate	0.90		
UNINCORPORATED VILLAGE DISTRICTS				
R.M. of Argyle				
Baldur	Seal Coat	0.30	4,491.13	2,245.56
R.M. of Birtle				
Foxwarren	Grading	0.30	5,525.67	2,762.84
	Gravel	0.30		
	Re-Gravel	0.50		
	Seal Coat	0.30		
	Calcium Chloride	0.50		
R.M. of Cameron				
Lauder	Calcium Chloride	0.75	638.00	319.00
Grande Clairiere	Calcium Chloride	0.06	51.00	25.50
R.M. of Cartier				
St. Eustache	Gravel	0.80	1,288.50	644.25
	Calcium Lignosulfonate	0.80		
Springstein	Gravel	0.50	2,627.00	1,313.50
	Calcium Lignosulfonate	0.50		
R.M. of Dufferin				
Graysville	Re-Gravel	0.43	978.07	489.04
	Calcium Lignosulfonate	0.43		
Roseisle	Re-Gravel	0.71	1,321.56	660.78
	Calcium Lignosulfonate	0.71		
R.M. of Edward				
Pierson	Seal Coat	0.73	12,732.41	6,366.21
R.M. of Glenella				
Glenella	Calcium Chloride	1.60	1,670.19	835.10

Table No. X2

Cities, Towns and Villages	Nature of Work	Kilometres Completed	Expenditures Total	Government
UNINCORPORATED VILLAGE DISTRICTS				
L.G.D. of Grahamdale				
Grahamdale	Re-Gravel	0.10	$ 278.98	$ 139.49
	Calcium Chloride	0.10		
Gypsumville	Re-Gravel	0.40	1,115.90	557.95
	Calcium Chloride	0.40		
Moosehorn	Re-Gravel	1.20	3,347.74	1,652.56
	Calcium Chloride	1.20		
R.M. of Grey				
Elm Creek	Re-Gravel	1.14	2,285.20	1,142.60
	Calcium Chloride	1.14		
R.M. of Hanover				
Grunthal	Asphalt Surface Treatment	0.27	8,203.12	4,101.56
Mitchell	Grading	0.73	16,134.82	8,067.41
	Base Course	0.73		
	Calcium Chloride	0.73		
	Culverts	11 metres		
R.M. of Harrison				
Newdale	Gravel	0.85	3,091.45	1,545.73
	Calcium Chloride	0.85		
Sandy Lake	Dust Oil Treatment	0.90	1,000.00	500.00
R.M. of Lawrence				
Rorketon	Calcium Chloride	3.22	4,747.21	2,373.61
R.M. of Montcalm				
Letellier	Re-Gravel	0.30	481.60	240.80
	Calcium Chloride	0.30		
St. Jean Baptiste	Re-Gravel	0.36	1,077.84	538.92
	Calcium Chloride	0.36		
R.M. of Morris				
Lowe Farm	Re-Gravel	1.30	3,344.50	1,672.25
	Calcium Chloride	1.30		
Rosenort	Grading	0.40	61,014.47	30,507.24
	Gravel	0.40		
	Re-Gravel	1.80		
	Calcium Chloride	2.20		
	Culverts	105 metres		
Sperling	Re-Gravel	0.79	2,155.90	1,077.95
	Calcium Chloride	0.79		

Table No. X2

Cities, Towns and Villages	Nature of Work	Kilometres Completed	Expenditures Total	Government
UNINCORPORATED VILLAGE DISTRICTS				
L.G.D. of Mountain				
Birch River	Calcium Chloride	1.61	$ 1,881.20	$ 940.60
R.M. of North Norfolk				
Austin	Calcium Lignosulfonate	1.90	3,704.38	1,852.19
	Asphalt Surface Treatment	0.16		
R.M. of Ochre River				
Ochre River	Seal Coat	0.81	11,872.52	5,936.26
L.G.D. of Park				
Onanole	Base Course	0.10	16,611.00	8,050.00
	Paving	0.10		
R.M. of Pembina				
Darlingford	Paving	0.27	21,558.11	10,779.06
La Riviere	Base Course	0.10	7,280.05	3,640.02
	Paving	0.10		
Snowflake	Re-Gravel	0.60	1,295.62	647.81
	Calcium Chloride	0.60		
R.M. of Portage la Prairie				
Poplar Point	Grading	0.20	2,777.29	1,388.65
	Gravel	0.20		
	Culverts	24 metres		
R.M. of Rhineland				
Rosenfeld	Re-Gravel	0.64	1,476.68	738.34
	Calcium Chloride	0.64		
R.M. of Riverside				
Dunrea	Seal Coat	0.37	2,499.59	1,249.80
Ninette	Seal Coat	0.15	1,621.58	810.79
R.M. of Rockwood				
Gross Isle	Asphalt Surface Treatment	0.15	8,580.00	4,290.00
R.M. of Roland				
Roland	Re-Gravel	1.42	4,052.77	2,026.39
	Calcium Chloride	1.42		

Table No. X2

Cities, Towns and Villages	Nature of Work	Kilometres Completed	Expenditures Total	Expenditures Government
UNINCORPORATED VILLAGE DISTRICTS				
R.M. of Saskatchewan				
Basswood	Calcium Chloride	0.40	$ 410.42	$ 205.21
R.M. of South Norfolk				
Rathwell	Re-Gravel	1.69	2,582.64	1,291.32
	Calcium Chloride	1.69		
R.M. of St. Clements				
East Selkirk	Grading	0.16	8,411.04	4,205.52
	Base Course	0.16		
	Asphalt Surface Treatment	0.16		
	Seal Coat	0.80		
R.M. of Stanley				
Chortitz	Re-Gravel	1.42	2,944.91	1,472.46
	Calcium Chloride	1.42		
Schanzenfeld	Re-Gravel	0.23	747.95	373.97
	Calcium Chloride	0.23		
R.M. of Strathclair				
Strathclair	Calcium Chloride	1.85	1,875.66	650.00
R.M. of Strathcona				
Belmont	Asphalt Surface Treatment	0.15	5,063.58	2,531.79
R.M. of Thompson				
Miami	Re-Gravel	1.27	2,857.91	1,428.96
	Calcium Chloride	1.27		
Rosebank	Re-Gravel	0.17	382.48	191.24
	Calcium Chloride	0.17		
R.M. of Victoria				
Holland	Paving	0.39	21,513.07	10,750.00
R.M. of Wallace				
Hargrave	Calcium Chloride	0.34	534.91	267.46
Kirkella	Calcium Chloride	1.22	1,919.38	959.69
Kola	Calcium Chloride	0.92	1,447.41	723.70
R.M. of Whitehead				
Alexander	Paving	0.10	19,650.00	9,825.00

Table No. X2

Cities, Towns and Villages	Nature of Work	Kilometres Completed	Expenditures Total	Government
UNINCORPORATED VILLAGE DISTRICTS				
R.M. of Whitewater Elgin	Seal Coat	0.99	$ 6,001.67	$ 3,000.83
R.M. of Woodlands Woodlands	Paving	0.15	12,206.14	6,000.00
			2,495,892.69	1,243,554.69

Nature of work Completed in km and metres

Grading	3.57
Excavation & Backfill	1.79
Gravel	5.22
Re-Gravel	25.29
Base Course	8.71
Paving	13.16
Asphalt Surface Treatment	1.07
Seal Coat	14.37
Calcium Chloride	48.99
Calcium Lignosulfonate	6.08
Dust Oil Treatment	2.86
Curb & Gutter	5.08
Sodding Ditches	0.15
Culverts	257 metres
Bridge	1

Table No. X3

WORK AND ROADS IN UNORGANIZED TERRITORY AND DISORGANIZED MUNICIPALITIES

APPROPRIATION 15-8C Program 2

Territory	Nature of Work	Kilometres Completed	Expenditures Total	Expenditures Government
UNORGANIZED				
Dauphin	Dragging and General Repairs		$ 32,618.75	$ 32,618.75
	Grading	0.80		
	Gravel	0.80		
	Re-Gravel	4.83		
Emerson	Dragging and General Repairs		232,763.99	232,763.99
	Grading	1.50		
	Gravel	1.50		
	Re-Gravel	193.50		
	Culverts	20 metres		
Interlake - Lakeside - Gimli	Dragging and General Repairs		230,268.12	230,268.12
	Grading	8.00		
	Gravel	8.00		
	Re-Gravel	49.00		
	Culverts	126 metres		
	Brushing	26.00 ha		
Interlake	Dragging and General Repairs		501,559.57	501,559.57
	Grading	9.40		
	Gravel	9.40		
	Re-Gravel	149.20		
	Asphalt Surface Treatment Repairs	16.10		
	Culverts	235 metres		
	Brushing	52.00 ha		
Lac du Bonnet	Dragging and General Repairs		104,175.98	104,175.98
	Grading	1.70		
	Gravel	1.70		
	Re-Gravel	48.90		
	Culverts	50 metres		
	Brushing	3.00 ha		
Minnedosa Roblin-Russell	Dragging and General Repairs		15,429.46	15,429.46
	Re-Gravel	12.87		

Table No. X3

Territory	Nature of Work	Kilometres Completed	Expenditures Total	Expenditures Government
UNORGANIZED				
Roblin-Russell	Dragging and General Repairs		$ 20,990.41	$ 20,990.41
	Re-Gravel	26.00		
	Brushing	3.00 ha		
	Mowing	6.50 ha		
Roblin-Russell Swan River	Bridge Maintenance		18,248.97	18,248.97
Rupertsland	Dragging and General Repairs		60,919.64	60,919.64
	Re-Gravel	46.20		
	Culverts	22 metres		
	Brushing	3.20 ha		
Springfield	Dragging and General Repairs		12,761.46	12,761.46
	Clay Cap	3.50		
	Gravel	12.70		
	Re-Gravel	3.50		
Springfield - La Verendrye	Dragging and General Repairs		68,499.44	68,499.44
	Re-Gravel	57.00		
Ste. Rose	Dragging and General Repairs		151,899.69	151,899.69
	Re-Gravel	107.82		
	Calcium Chloride	5.23		
	Bridge Maintenance			
Swan River	Dragging and General Repairs		212,117.61	212,117.61
	Grading	5.00		
	Re-Gravel	143.00		
	Culverts	167 metres		
	Brushing	27.21 ha		
	Mowing	7.50 ha		
The Pas	Dragging and General Repairs		135,695.69	135,695.69
	Re-Gravel	111.60		
Home Site Spot Treatment on Main Market Roads			149,672.62	149,672.62
Snowplowing - Main Market Roads			169,496.62	169,496.62
			$2,117,118.02	$2,117,118.02

Territory	Nature of Work	Kilometres Completed	Expenditures Total	Government

Nature of Work Completed in km, metres and hectares

Grading	26.40	
Gravel	34.10	
Re-Gravel	953.42	
Clay Cap	3.50	
Calcium Chloride	5.23	
Asphalt Surface Treatment	16.10	
	1,038.75	km
Culverts	620	metres
Brushing	114.41	ha
Mowing	14.00	ha
	128.41	ha

Miscellaneous Work
Dragging and General Repairs
Bridge Maintenance
Home Site Spot Treatment on Main Market Roads
Snowplowing Main Market Roads

Table No. X4

WORKS AND ROADS IN UNORGANIZED TERRITORY
AND DISORGANIZED MUNICIPALITIES

APPROPRIATION 15-8C Program 2

Territory	Nature of Work	Kilometres Completed	Expenditures Total	Government
LOCAL GOVERNMENT DISTRICT				
Alexander	Dragging and General Repairs	$	156,286.81 $	78,143.40
	Re-Gravel	117.40		
	Brushing	7.00 ha		
Alonsa	Dragging and General Repairs		192,696.38	96,348.19
	Grading	5.63		
	Gravel	5.63		
	Re-Gravel	173.80		
Armstrong	Dragging and General Repairs		137,103.18	68,551.59
	Grading	7.40		
	Gravel	6.60		
	Culverts	168 metres		
	Brushing	7.00 ha		
Consol	Dragging and General Repairs		126,148.07	63,074.06
	Re-Gravel	98.00		
	Calcium Chloride	2.60		
Fisher	Dragging and General Repairs		197,353.16	98,676.60
	Grading	20.00		
	Culverts	280 metres		
	Brushing	37.00 ha		
Grahamdale	Dragging and General Repairs		171,927.16	85,963.59
	Grading	4.00		
	Gravel	4.00		
	Re-Gravel	88.00		
	Culverts	74 metres		
	Brushing	5.00 ha		
Mountain	Dragging and General Repairs		240,836.74	120,418.37
	Grading	3.00		
	Re-Gravel	231.00		
	Culverts	283 metres		
	Brushing	3.00 ha		

Table No. X4

Territory	Nature of Work	Kilometres Completed	Expenditures Total	Government
LOCAL GOVERNMENT DISTRICT				
Park	Dragging and General Repairs		$ 162,000.04	$ 81,000.02
	Grading	2.70		
	Re-Gravel	296.00		
	Culverts	33 metres		
	Brushing	9.50 ha		
	Mowing	4.50 ha		
Piney	Dragging and General Repairs		171,840.36	85,920.18
	Grading	2.80		
	Gravel	5.20		
	Re-Gravel	104.50		
	Culverts	72 metres		
Reynolds	Dragging and General Repairs		96,257.93	48,128.97
	Grading	0.80		
	Gravel	20.50		
	Re-Gravel	78.50		
	Culverts	95 metres		
Stuartburn	Dragging and General Repairs		167,997.29	83,998.65
	Grading	2.30		
	Re-Gravel	114.00		
	Culverts	63 metres		
Residents & Miscellaneous	Dragging and General Repairs		81,804.30	40,902.15
	Grading	2.00		
	Gravel	37.30		
	Re-Gravel	28.60		
	Culverts	11 metres		
	Brushing	3.00 ha		
	Mowing	1.50 ha		
Snowplowing Various	50/50 basis		129,268.09	39,739.67
			$2,031,519.5.	$990,865.44

Territory	Nature of Work	Kilometres Completed	Expenditures Total	Government
LOCAL GOVERNMENT DISTRICT				
Nature of Work Completed in km, metres and hectares				
	Grading	50.63		
	Gravel	79.23		
	Re-Gravel	1,329.80		
	Calcium Chloride	2.60		
		1,462.26 km		
	Culverts	1,079.00 metres		
	Brushing	71.50 hectares		
	Mowing	6.00 hectares		
	Dragging and General Repairs			
	Snowplowing in Unorganized Territories			

Table No. X6

1987-88 DRILLING SUMMARY FOR
SUBGRADE EVALUATION BY B-30 DRILL TRUCK

District	Total	Total No. and Types of Soil Surveys: Preliminary (survey and design)	Final (for pavement design)	Special (surface failure evaluations)	No. of km	No. of Holes	No. of Samples	Total Depth Drilled (m)
1	9	4	4	1	45.9	188	637	285.5
2	4	1	2	1	32.0	183	646	312.0
3	3	3	--	--	3.5	26	94	40.5
4	--	--	--	--	--	--	--	--
5	1	--	1	--	11.2	38	114	57.0
6	4	4	--	--	47.2	409	1094	673.0
7	6	6	--	--	57.4	667	2386	1099.5
8	5	1	4	--	55.2	400	1833	677.0
9	4	4	--	--	17.0	209	796	339.0
10	--	--	--	--	--	--	--	--
11	7	3	4	--	64.9	253	813	371.5
12	4	4	--	--	22.5	262	866	642.5
Totals	47	30	15	2	356.8	2635	9279	4497.5
1986-87 Totals	29	13	10	6	233.1	1794	5761	2970.3

	NUMBER OF SAMPLES		
	Per metre drilled	per hole	per km distance
1987-88	2.02	3.51	26.8
1986-87	1.94	3.21	24.7

Table No. X7

MATERIALS TESTING LABORATORY

SUMMARY OF SAMPLES PROCESSED

A. Concrete/Soil Cement Cylinders, Cores and Cubes

I.	FIELD CYLINDERS		
	a. Highways		
	i) Pavement	207	
	ii) Curb & Gutter	293	
	iii) Buildings	0	
	iv) Soil Cement	21	
	v) Median Barrier	9	
	vi) Other	0	
		530	
	b. Bridge Office	662	
	c. Government Services	51	
	d. Natural Resources	30	
	e. Concrete Exchange	0	
	f. Other	6	
II.	LAB CYLINDERS		
	a. Highways	20	
	b. Bridge Office	58	
	c. Other	0	
III.	CONCRETE CORES		
	a. Highways	18	
	b. Other	0	
IV.	CUBES		
	a. Grout	0	
	b. Cement Test	0	
	Total Concrete	1,375	
			1,375

Table No. X7

B.	Aggregate Samples				
	a. Concrete Aggregates	114			
	b. Bituminous Aggregates	311	(451)		
	c. Gravel Survey	1,016			
	d. Base Course	240	(804)		
	e. Seal Coat	27	(38)		
	f. Pit Run and Traffic Gravel	77	(258)		
	Total Aggregate	1,785	(1,551)	3,160	(1,551)
C.	Soil Samples				
	a. Soil and Grade Surveys	11,919	(2,004)		
	b. Other Soils	209	(117)		
	Total Soils	12,128	(2,121)	15,288	(3,672)
D.	Bituminous Samples				
	I. ASPHALT MIX ANALYSIS				
	a. Field Mixes	651	(220)		
	b. Lab Mixes	93			
	c. Hammer Calibration	24			
	II. ASPHALT CORES	395			
	Total Mix Samples	1,163	(220)	16,451	(3,892)
	III. OIL SAMPLES				
	a. Paving Projects	237			
	b. District Maintenance	55			
	c. Soil Coat Crews	80			
	d. Others	75			
	Total Oil Samples	447		16,898	(3,892)

*Brandon Lab shown in brackets.

E. Miscellaneous Samples			
a. Glass Beads		101	
b. Traffic Paint			
i) Production batch samples		40	
ii) Acceptance		31	
c. Concrete			
i) Water		2	
ii) Air entraining agents		2	
iii) Curing compounds		0	
iv) Joint sealants		0	
v) Cement		3	
d. Sand Density Calibration		0	
e. Traffic Cones		3	
f. Flyash		2	
g. De-icing Salt		0	
h. Calcium Chloride Solution		33	
i. Lignolsulfonates		101	
j. Pavement Marking Tapes		16	
k. AASHTO Reference Materials		6	
Total Miscellaneous		340	17,238 (3,892)

SUMMARY OF TESTS PERFORMED

A. Concrete		
1. COMPRESSION TESTS		
a. Cylinders	1,357	
b. Cores	18	
c. Cubes	0	

Table No. X7

II.	MIX DESIGNS				
	a. Trail Mixes	19			
	b. Calculated Designs	1			
III.	DENSITY TESTS	33			
		1,428		1,428	
B.	Aggregates				
	a. Sieve Analysis	1,841	(1,491)		
	b. Shale Content	119	(674)		
	c. Crush Count	340	(839)		
	d. Plasticity Index	87	(1,039)		
	e. L.A. Abrasion	39			
	f. Specific Gravity & Water Abs.			87	
	g. Dry Rodded Wt.	38			
	h. Proctor	55	(75)		
	i. Moisture Contents	4	(10)		
	j. Hydrometer Analysis	87	(142)		
	k. Ironstone, Clay Ball, Sandstone	0	(10)		
	l. Other Tests	16			
		2,713	(4,280)	4,141	(4,280)
C.	Soils				
	a. Hydrometer Analysis	9,344	(2,121)		
	b. Plasticity Index	9,344	(2,121)		
	c. Proctor	123	(117)		
	d. Moisture Content	642			
	e. Organic Content	1,387			

f.	Sulfate Content	0			
g.	Other Tests	0			
		20,840	(4,359)	24,981	(8,639)
D.	Bituminous				
I.	MIX TESTING				
a.	Briquets Molded and Broken	2,280	(651)		
b.	Extractions	744	(215)		
c.	M.T.D.	718	(214)		
d.	Volatile Contents	744	(215)		
e.	Sieve Analysis				
	i) Centrifuge ext.	744	(215)		
	ii) Reflux ext.	21			
f.	Shale Content	0			
g.	Density	2,675	(651)		
h.	Crush Count	8	(5)		
i.	Core Moisture Contents	0			
j.	Core Extractions				
	i) Reflux	138			
	ii) Centrifuge	0			
k.	Abson Recovery	133			
		8 205	(2,166)	33,186	(10,805)
II.	OIL TESTING				
1.	Highway Lab				
a.	Specific Gravity	44			
b.	Penetration	158			
c.	Kinematic Viscosity	169			
d.	Absolute Viscosity	164			
e.	Zahn Cup	0			
f.	Saybolt	0			
g.	Distillation	17			
h.	Ash	0			
i.	Thin Film Oven	6			
j.	Other	4			

2. National Testing				
	a. Asphalt Cement,	complete	31	
		partial	27	
	b. Liquid Asphalt,	complete	9	
		partial	10	
	c. Emulsion,	complete	20	
		partial	17	
			676	33,862 (10,805)

E. Paint Testing			
a.	Density	71	
b.	Volatile Contents	31	
c.	Pigment Contents	31	
d.	Dry Time	40	
e.	Viscosity	48	
f.	Volume Non-volatile	31	
g.	Settling	71	
		323	34,185 (10,805)

Table No. AR1

AIRCRAFT/RADIO SERVICES
NORTHERN AIRPORTS/MARINE OPERATIONS

Work Order No.		Location	Description of Work	Expenditure
15-4D-2				
		Other Expenditures		$1,317,543.83
15-4E-2				
		Other Expenditures		405,924.79
15-8D-1A		Improvements to Airports		
RA	01	Swan River Airport	Granular Base Course & Bituminous Pavement	55,152.65
AP	01	Winnipeg	Flight Map & Supplement	17,700.92
	02	Gods Lake Narrows	Runway Extension	5,436.64
	03	Various Airports	Navigational Aids	58,940.82
	04	Shamattawa	Sewage Installation	5,011.19
	05	Island Lake	Terminal Renovation	22,336.59
	06	Brochet	Security Fencing	12,196.40
	07	Island Lake	Security Fencing	4,284.13

Table No. AR1

Work Order No.	Location	Description of Work	Expenditure
15-7E-1A Improvements to Airports			
AP 08	Norway House	Terminal Roofing	$ 6,612.59
09	God's River	Airport Engineering	4,751.17
10	God's River	Airport Purchase	800,000.00
99	Norway House	Gravel Issues	(47,475.79)
15-8D-1G Ferry Landing Improvements			41,213.65
15-8D-1J Ferries		Major Repairs	150,151.42
15-8D-2A Airport Development			
CTN 100	Tadoule Lake	Airport Construction	492,298.67
102	Berens River	Firehall	44,991.67
103	Lac Brochet	Firehall	34,306.00
104	Pikwitonei	Gravel Crushing	80,625.85

Table No. AR1

Work Order No.	Location	Description of Work	Expenditure
15-8D-2A Airport Development			
CTN 105	Thicket Portage	Gravel Crushing	$ 102,134.85
106	Various	Navigational Aids	17,019.04
			*$3,631,157.08

*Appropriation Summary

15-4D-2	1,317,543.83
15-4E-2	405,924.79
15-8D-1A	944,947.31
15-8D-1G	41,213.65
15-8D-1J	150,151.42
15-8D-2A	771,376.08
Total	$3,631,157.08

Table No. AR2

SUMMARY OF AIR SERVICES FLIGHT DISTANCE (KM)

DEPARTMENT OR AGENCY	1986/87	1987/88
Air Ambulance (Life Flight)	443 979	491 176
Agriculture	-	3 304
Attorney General	258 235	184 610
Business, Development & Tourism	9 637	12 208
Community Economic Development Fund	5 458	5 272
Community Services & Corrections	17 842	27 379
Consumer & Corporate Affairs	-	-
Cooperative Development	805	2 349
Crown Investments	-	-
Culture, Heritage & Recreation	6 651	9 864
Education	46 872	39 944
Employment Services & Economic Security	13 069	10 331
Energy and Mines	10 326	14 472
Environment & Workplace, Safety and Health	2 192	5 416
Executive Council	4 920	5 422
Finance	5 816	3 408
Government Services	2 715	8 149
Health	25 400	81 616
Highways and Transportation	167 237	191 832
Housing	5 040	4 608
Industry, Trade and Technology	376	9 768
Labour	72	2 040
Legislation	-	-
Manfor	-	1 040
Manitoba Development Corporation	2 384	-
Manitoba Hydro	3 907	4 640
Manitoba Telephone System	11 200	19 632
Municipal Affairs	2 882	4 616
Native Affairs	1 312	616
Natural Resources	189 702	274 351
Northern Affairs	38 451	48 208
Northern Patient Transportation Program	112 339	57 792
Urban Affairs	-	48
Miscellaneous	9 776	9 547
TOTAL PROVINCIAL DEPARTMENTS AND AGENCIES	1 398 595	1 533 658
TOTAL FEDERAL DEPARTMENTS	10 858	5 728
TOTAL DISTANCE FLOWN	1 409 453	1 539 386

Table No. AR3

SUMMARY BY BASE BY AIRCRAFT TYPE (KM) 1987/88

WINNIPEG	FLYING HOURS	KILOMETERS	PASSENGERS	CARGO (kg)
Citation SII	942.8	515 320	952	3 439
Citation	782.0	375 144	1,420	8 086
Navajo	-	-	-	-
CL-215	306.7	70 794	43	454
Turbos	-	-	-	-
Otters	-	-	-	-
TOTAL	2,031.5	961 253	2,415	11 979
THOMPSON				
Citation SII	-	-	-	-
Citation	-	-	-	-
Navajo	621.8	182 400	1,200	20 468
CL-215	119.5	25 968	5	500
Turbos	791.0	155 080	1,130	40 866
Otters	453.7	75 128	630	52 015
TOTAL	1,986.0	438 576	2,965	113 849
LAC DU BONNET				
Turbos	271.9	51 448	271	21 561
Otters	100.3	15 064	100	23 527
TOTAL	372.2	66 512	371	45 088
THE PAS				
Turbos	-	-	-	-
Otters	-	-	-	-
CL-215	62.3	13 680	10	-
TOTAL	62.3	13 680	10	-
ISLAND LAKE				
Turbos	-	-	-	-
Otters	230.0	36 080	282	21 634
TOTAL	230.0	36 080	282	21 634
GIMLI				
CL-215	118.5	22 952	7	-
TOTAL	118.5	22 952	7	-
DAUPHIN				
CL-215	1.1	328	-	-
TOTAL	1.1	328	-	-
GRAND TOTAL	4,801.6	1 539 386	6,050	192 550

MOTOR VEHICLE BRANCH
TABLES MV1, MV2, MV3, MV4 and MV5

Table No. MV1

APPEAL BOARD STATISTICS
Hearings Held By Month and Location

Month	Applications Received	Hearing Locations							Total Hearings
		Winnipeg	Brandon	Dauphin	Steinbach	Beausejour	Thompson	The Pas	
January	257	16	3	1	1	1	1	2	25
February	270	16	3	1	1	1	0	0	22
March	363	16	3	2	1	1	0	0	23
April	291	20	6	1	1	1	0	0	29
May	305	18	4	1	2	1	1	2	29
June	332	18	4	1	1	1	0	0	25
July	171	18	2	1	1	1	0	0	23
August	157	16	2	1	0	1	2	2	24
September	205	18	1	2	1	1	0	0	23
October	235	16	4	1	1	1	0	0	23
November	239	16	3	1	1	1	0	0	22
December	237	12	1	0	1	1	0	0	15
TOTALS	3,062	200	36	13	12	12	4	6	283

Table No. MV2

Application Volume and Hearings Comparison 1984 to 1987 Inclusive

Month	Applications Received				Total Hearings Held			
	1984	1985	1986	1987	1984	1985	1986	1987
January	317	336	232	257	27	31	32	25
February	311	354	262	270	30	27	27	22
March	357	381	272	363	28	29	17	23
April	376	411	316	291	28	40	30	29
May	375	434	290	305	28	37	29	29
June	306	360	274	332	32	30	28	25
July	312	331	256	171	29	38	27	23
August	319	317	181	157	26	28	22	24
September	351	342	243	205	23	29	26	23
October	393	370	280	235	35	29	25	23
November	338	356	236	239	34	28	23	22
December	289	299	227	237	18	27	17	15
TOTALS	4,044	4,291	3,069	3,062	338	373	303	283

Table No. MV3

Applications Processed and Hearing Locations

Location	No. of Hearings Held 1986	1987	No. of Applications Processed 1986	1987
Winnipeg	210	200	2,058	2,081
Brandon	33	36	285	317
Dauphin	17	13	139	108
Steinbach	15	12	106	94
Beausejour	17	12	101	87
The Pas	6	6	57	55
Thompson	5	4	36	40
Written Submissions	-	-	8	2
TOTALS	303	283	2,790	2,784
Applications Pending or Cancelled			279	278

Table No. MV4

ALCOHOL RELATED OFFENCES SHOWING FIRST, SECOND & THIRD OR MORE OFFENCES

AGE	*COURT PROH.	TYPE OF CONVICTION			TOTAL	OFFENCE		
		OVER .08	IMPAIRED	REFUSAL		FIRST	SECOND	THIRD & SUBSEQUENT
16 & 17	-	-	-	-	-	-	-	-
18 - 20	46	44	1	3	48	43	5	-
21 - 24	127	159	8	15	182	101	74	7
25 - 29	121	163	21	26	210	88	87	35
30 - 34	122	126	20	36	182	93	55	34
35 - 39	105	112	14	23	149	84	38	27
40 - 44	88	85	16	18	119	72	27	20
45 - 49	64	65	9	12	86	53	16	17
50 - 54	55	48	11	9	68	51	9	8
55 - 59	38	39	4	8	51	34	9	8
60 - 64	26	25	2	4	31	23	6	2
65 - 69	13	9	4	1	14	12	1	1

Table No. MV4

AGE	*COURT PROH.	TYPE OF CONVICTION				OFFENCE		
		OVER .08	IMPAIRED	REFUSAL	TOTAL	FIRST	SECOND	THIRD & SUBSEQUENT
70 - 74	7	6	1	1	8	7	1	-
OVER 74	2	2	-	-	2	2	-	-
TOTALS	814	883	111	156	1150	663	328	159

* Out of 1150 applications received for Alcohol Related Offences, only 814 applicants had Court Prohibitions as a result of the new Federal Legislation (Bill C-19).

ALCOHOL RELATED OFFENCES

1985 - 2153 applications

1986 - 1200 applications

1987 - 1150 applications

Table No. MV5

APPEAL BOARD DECISIONS
By Age & Type of Suspension

AGE	OVER .08	IMPAIRED	REFUSAL	238 OTHER	246 HTA	24-13 HTA	167 HTA	238 & 246	TOTALS
16 & 17									
Restricted	-	-	-	-	4	10	-	-	14
Denied	-	-	-	-	1	2	-	-	3
Full Rem.	-	-	-	-	-	-	-	-	-
18 to 20									
Restricted	41	1	3	4	168	34	-	4	255
Denied	3	-	-	-	16	2	-	1	22
Full Rem.	-	-	-	-	1	-	-	-	1
21 to 24									
Restricted	147	7	14	21	446	17	4	5	661
Denied	5	-	-	-	26	1	-	1	33
Full Rem.	7	1	1	-	-	-	-	-	9
25 to 29									
Restricted	128	18	24	17	341	7	1	2	538
Denied	11	2	1	2	13	-	-	-	29
Full Rem.	24	1	1	1	-	-	-	-	27
30 to 34									
Restricted	100	17	24	6	151	3	1	1	303
Denied	12	3	8	-	6	-	-	-	29
Full Rem.	14	-	4	-	-	-	-	-	18

Table No. MV5

AGE	OVER .08	IMPAIRED	REFUSAL	238 OTHER	246 HTA	24-13 HTA	167 HTA	238 & 246	TOTALS
35 to 39									
Restricted	92	12	15	6	113	3	1	-	242
Denied	9	1	3	-	3	-	-	-	16
Full Rem.	11	1	5	1	-	-	-	-	18
40 to 44									
Restricted	67	14	13	7	72	1	-	-	174
Denied	10	-	2	1	3	-	1	1	18
Full Rem.	8	2	3	-	1	-	-	-	14
45 to 49									
Restricted	59	8	10	2	28	-	-	-	107
Denied	4	-	-	-	6	-	-	-	10
Full Rem.	2	1	2	-	-	-	-	-	5
50 to 54									
Restricted	41	10	8	1	21	1	-	-	82
Denied	5	-	-	-	4	-	-	-	9
Full Rem.	2	1	1	-	-	-	-	-	4
55 to 59									
Restricted	36	4	7	1	14	-	-	-	62
Denied	2	-	-	2	2	-	-	-	6
Full Rem.	1	-	1	-	-	-	-	-	2

Table No. MV5

AGE	OVER .08	IMPAIRED	REFUSAL	238 OTHER	246 HTA	24-13 HTA	167 HTA	238 & 246	TOTALS
60 to 64									
Restricted	22	2	4	1	9	2	-	-	40
Denied	-	-	-	-	-	1	-	-	1
Full Rem.	3	-	-	-	-	-	-	-	3
65 to 69									
Restricted	6	4	1	-	1	-	-	-	12
Denied	-	-	-	-	-	-	-	-	-
Full Rem.	3	-	-	-	-	-	-	-	3
70 to 74									
Restricted	6	1	1	-	1	-	-	-	9
Denied	-	-	-	-	1	-	-	-	1
Full Rem.	-	-	-	-	1	-	-	-	1
OVER 74									
Restricted	1	-	-	-	-	-	-	-	1
Denied	1	-	-	-	1	-	-	-	2
Full Rem.	-	-	-	-	-	-	-	-	-

APPLICATIONS CANCELLED	170
APPLICATIONS PENDING	51
SUSPENSION EXPIRED	57
TOTAL APPLICATIONS RECEIVED	3,062

Table No. MR1

CARDIOLOGY APPLICATIONS
CLASS OF LICENCE APPLIED FOR AND DISPOSITION

AGE -	DISPOSITION	CLASS 1		CLASS 2		CLASS 3		CLASS 4		CLASS 5		TOTALS
		MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	
16 - 19												
	Granted											0
	Restricted											0
	Denied											0
20 - 24												
	Granted			1								1
	Restricted											0
	Denied									1*		1
25 - 34												
	Granted	1							1			2
	Restricted	1				2		1				4
	Denied											0
35 - 44												
	Granted					3		1				4
	Restricted	1				1		1				3
	Denied	1		1				1				3
45 - 54												
	Granted	2		1		1						4
	Restricted	1						1				2
	Denied	1		2								3

Table No. MR1

AGE - DISPOSITION	CLASS 1		CLASS 2		CLASS 3		CLASS 4		CLASS 5		TOTALS
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	
55 - 64											
Granted									1		1
Restricted											0
Denied			1								1
65 - 74											
Granted	1										1
Restricted							1				1
Denied					1		1				2
75 & UP											
Granted											0
Restricted									1		1
Denied											0
Cancelled or Pending Applications											3
TOTALS	9		6		8		7	1	3		37

*Denied Class 6 (Motor Cycle)

Table No. MR2

OPHTHALMOLOGY APPLICATIONS
CLASS OF LICENCE APPLIED FOR AND DISPOSITION

AGE -	DISPOSITION	CLASS 1		CLASS 2		CLASS 3		CLASS 4		CLASS 5		TOTALS
		MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	
16 - 19												
	Granted											0
	Restricted	1								1		2
	Denied											0
20 - 24												
	Granted							1				1
	Restricted	3								2		5
	Denied			1								1
25 - 34												
	Granted	3						2			1	6
	Restricted	3				1				1		5
	Denied								1			1
35 - 44												
	Granted	2				1					1	4
	Restricted	1						1				2
	Denied											0
45 - 54												
	Granted									1		1
	Restricted	1										1
	Denied											0

Table No. MR2

AGE - DISPOSITION	CLASS 1		CLASS 2		CLASS 3		CLASS 4		CLASS 5		TOTALS
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	
55 - 64											
Granted											0
Restricted									1		1
Denied											0
65 - 74											
Granted											0
Restricted									2		2
Denied											0
75 & UP											
Granted											0
Restricted											0
Denied									2		2
Cancelled or Pending Applications											3
TOTALS	14		1		2		4	1	10	2	37

Table No. MR3

NEUROLOGY APPLICATIONS
CLASS OF LICENCE APPLIED FOR AND DISPOSITION

AGE -	DISPOSITION	CLASS 1		CLASS 2		CLASS 3		CLASS 4		CLASS 5		TOTALS
		MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	
16 - 19												
	Granted											0
	Restricted											0
	Denied									2		2
20 - 24												
	Granted									1	1	2
	Restricted									2		2
	Denied										1	1
25 - 34												
	Granted	1								6	5	12
	Restricted									1	1	2
	Denied	1		2							1	4
35 - 44												
	Granted	1								3		4
	Restricted	1				1				4	2	8
	Denied									1		1
45 - 54												
	Granted									4	1	5
	Restricted			1				1		2	1	5
	Denied	1								1		2

Table No. MR3

AGE - DISPOSITION	CLASS 1		CLASS 2		CLASS 3		CLASS 4		CLASS 5		TOTALS
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	
55 - 64											
Granted	3								1		4
Restricted	1		1						1		3
Denied											0
65 - 74											
Granted									2		2
Restricted					1						1
Denied											0
75 & UP											
Granted											0
Restricted											0
Denied									1		1
Cancelled or Pending Applications											6
TOTALS	9		4		2		1		32	13	67